```
Set       Items    Description
S1          14     AU=(CRESCENTI J? OR CRESCENTI, J? OR PRAHLAD A? OR PRAHLAD,
                   A?)
S2      2099532    RETRIEV? OR ALTERNAT? OR REDUNDAN? OR BACKUP OR BACK()UP OR
                   SECONDARY OR ANOTHER OR ADDITIONAL OR MULTIPL? OR SPARE?
S3      1309149    SOFTWARE? OR PROGRAM? OR APPLICATION? OR FREEWARE? OR SHAR-
                   EWARE
S4      5583410    NODE? OR TERMINAL? OR PC? ? OR COMPUTER? ? OR CPU? ? OR WO-
                   RKSTATION? OR SERVER? ? OR DEVICE? ?
S5      4569494    PLURAL? OR SEVERAL OR VARIOUS OR MANY OR MULTIPL? OR NUMER-
                   OUS OR NETWORK? ? OR 1ST OR 2ND OR FIRST OR SECOND?
S6      4118200    MANAG? OR CONTROL? ? OR AGENT?
S7       965829    STORAGE? OR ARCHIV? OR DATABASE? OR DB OR DATA()BASE?
S8       273660    S5(2N)S4
S9        50096    S2(20N)S8
S10           4    S1 AND S9
S11        1989    S9(15N)S3
S12         498    S11(20N)S6
S13          89    S12(15N)S7
S14           5    S13 AND IC=G06F-011?
S15          35    S12 AND IC=G06F-011?
? show file
File 344:Chinese Patents Abs Aug 1985-2003/Feb
         (c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Feb(Updated 030603)
         (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200336
         (c) 2003  Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
         (c) 2002 INPI.  All rts. reserv.
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10/5/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013980395   **Image available**
WPI Acc No: 2001-464609/200150
XRPX Acc No: N01-344604
  Modular backup **and** retrieval **system for** network **connected** computer
  , **has manager module that manages and controls media module that controls**
   backup **of data onto library devices**
Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N)
Inventor: **CRESCENTI J** ; KAVURI S; OSHINSKY D A; **PRAHLAD A**
Number of Countries: 018 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200106368   A1   20010125 WO 2000US19329 A   20000717 200150 B

Priority Applications (No Type Date): US 99354063 A 19990715
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200106368 A1 E 48 G06F-011/14
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE

Abstract (Basic): WO 200106368 A1
      NOVELTY - The manager module in computer (110) is in communication
   with media modules (126,136) of computers (120,130). Media modules are
   coupled to library devices (122,132). The media module controls
   physical backup of data onto library devices and manager module
   controls media module and also manages overall backup and retrieval
   functions.
      USE - For controlling data **backup** in **computers** or **network**
   connected **computer** .
      ADVANTAGE - The independent software agents, manager module and
   software module, focus specifically on archival process and are
   cohesively operated in network environment across several machines.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
   modular network backup system.
      Computers (110,120,130)
      Library devices (122,132)
      Media modules (126,136)
      pp; 48 DwgNo 1/12
Title Terms: MODULE; RETRIEVAL; SYSTEM; NETWORK; CONNECT; COMPUTER; MANAGE;
  MODULE; MANAGE; CONTROL; MEDIUM; MODULE; CONTROL; DATA; LIBRARY; DEVICE
Derwent Class: T01; U21
International Patent Class (Main): G06F-011/14
File Segment: EPI

10/5/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013980305   **Image available**
WPI Acc No: 2001-464519/200150
Related WPI Acc No: 2001-464518
XRPX Acc No: N01-344514
  Modular back - up **system for** computer   network , **has management**
  component and client component which operate in conjunction with file
  processor for archival type requests

Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N)
Inventor: **CRESCENTI J** ; KAVURI S; OSHINSKY D A; **PRAHLAD A**
Number of Countries: 018   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200104756	A1	20010118	WO 2000US19364	A	20000714	200150	B

Priority Applications (No Type Date): US 2000610738 A 20000706; US 99143743
   P 19990714; US 99143744 P 19990714
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200104756	A1	E	28	G06F-011/14	

   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE

Abstract (Basic): WO 200104756 A1
       NOVELTY - A file processor, which manages data transmission,
   operates as a part of a computer. A management component (110) and one
   client component (120) on another computer operate in conjunction with
   the file processor for archival type requests.
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
       (a) a modular network storage system;
       (b) a data storing method.
       USE - For computer network.
       ADVANTAGE - Simplifies upgrading or changing of back-up and
   retrieval system while maintaining data coherency.
       DESCRIPTION OF DRAWING(S) - The figure shows the schematic block
   diagram of modular back-up and retrieval system.
       Management component (110)
       Client component (120)
       pp; 28 DwgNo 1/3
Title Terms: MODULE; BACK-UP; SYSTEM; COMPUTER; NETWORK; MANAGEMENT;
   COMPONENT; CLIENT; COMPONENT; OPERATE; CONJUNCTION; FILE; PROCESSOR;
   ARCHIVE; TYPE; REQUEST
Derwent Class: T01; U21
International Patent Class (Main): G06F-011/14
File Segment: EPI

 10/5/3   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013980304   **Image available**
WPI Acc No: 2001-464518/200150
Related WPI Acc No: 2001-307852; 2001-354495; 2001-380811; 2001-397405;
   2001-456995; 2001-464511; 2001-464520; 2001-464521; 2001-464611;
   2001-464783
XRPX Acc No: N01-344513
   Storage system for distributed modular back - up **system for** computer
   network **, has management component which coordinates storage of**
   information in storage system by interacting client component
Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N)
Inventor: **CRESCENTI J** ; KAVURI S; OSHINSKSY D A; **PRAHLAD A**
Number of Countries: 018   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200104755	A1	20010118	WO 2000US19363	A	20000714	200150	B

Priority Applications (No Type Date): US 2000609977 A 20000705; US 99143743

P 19990714; US 99143744 P 19990714
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200104755 A1 E 27 G06F-011/14
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
    MC NL PT SE

Abstract (Basic): WO 200104755 A1
        NOVELTY - The system (100) includes a management component (110)
    and at least one client component (120). The management component
    directs and coordinates storage of information in the storage system by
    interacting with the client component.
        DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
    the method for storing information in storage system.
        USE - For storing information according to storage policies e.g.
    scheduling policies, aging policies, index pruning policies and drive
    cleaning policies in each client in computer network.
        ADVANTAGE - Improves back-up and retrieval of information according
    to set storage policies e.g. storing scheduling policies, aging
    policies, index pruning policies, drive cleaning policies,
    configuration information, tracking all running and waiting jobs,
    allocating drives, selecting back-up type, and tracking applications
    running on each client. Provides library media which maintains an index
    to easily locate specific information that has been archived.
        DESCRIPTION OF DRAWING(S) - The figure shows the schematic block
    diagram of the modular back-up and retrieval system.
        System (100)
        Management component (110)
        Client component (120)
        pp; 27 DwgNo 1/4
Title Terms: STORAGE; SYSTEM; DISTRIBUTE; MODULE; BACK-UP; SYSTEM; COMPUTER
 ; NETWORK; MANAGEMENT; COMPONENT; COORDINATE; STORAGE; INFORMATION;
  STORAGE; SYSTEM; INTERACT; CLIENT; COMPONENT
Derwent Class: T01; U21
International Patent Class (Main): G06F-011/14
File Segment: EPI

 10/5/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013889912   **Image available**
WPI Acc No: 2001-374125/200139
XRPX Acc No: N01-273747
  **Hierarchical network backup system for interconnected computer, has
  backup managers in backup cells, for controlling backup of data in backup
  devices of same and other backup cells**
Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N)
Inventor: **CRESCENTI J** ; KAVURI S; OSHINSKY D A; **PRAHLAD A**
Number of Countries: 025 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200106367	A1	20010125	WO 2000US19324	A	20000717	200139	B
EP 1204922	A1	20020515	EP 2000947402	A	20000717	200239	
			WO 2000US19324	A	20000717		

Priority Applications (No Type Date): US 99354058 A 19990715
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200106367 A1 E 34 G06F-011/14

                    Bode Akintola   09-Jun-03

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE
EP 1204922   A1 E   G06F-011/14   Based on patent WO 200106367
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200106367 A1
        NOVELTY - **Backup** cells (100,150) having **backup** devices
    (112,122,132,162,172,182) execute the **backup** of data in the **network**
    computing **devices** (110,120,130,160,170,180). Managers (114,164)
    coupled to **backup** devices (112,162) control the 1backup of data in
    relative backup devices. Backup cells are coupled mutually and the
    managers of one backup cell controls the backup devices of other backup
    cells.
        USE - In interconnected computer systems.
        ADVANTAGE - Manager is responsible for managing parameters of
    archival characteristics of **network** **devices** to initiate archival
    request for those **network** computing **devices** . The manager operates
    the **backup** activities of **back** up cell and manages the operation
    of other **backup** cells to define a hierarchical structure so that
    alternative control of another backup cell is used when the backup
    manager of another backup cell has failed. Hence system wide change to
    backup cell parameters is initiated through a single manager and
    propagated to other backup cells.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram
    hierarchical network backup system.
        Backup cells (100,150)
        Backup manager components (114,164)
        Backup devices (112,122,132,162,172,182)
        Network computing devices (120,130,140,160,170,180)
        pp; 34 DwgNo 1/5
Title Terms: HIERARCHY; NETWORK; SYSTEM; INTERCONNECT; COMPUTER; CELL;
  CONTROL; DATA; DEVICE; CELL
Derwent Class: T01; U21
International Patent Class (Main): G06F-011/14
File Segment: EPI

07419489   **Image available**
SERVER DUPLEXING METHOD, DUPLEX SERVER SYSTEM, AND DUPLEX DATABASE SERVER

PUB. NO.:   2002-287999 [JP 2002287999 A]
PUBLISHED: October 04, 2002 (20021004)
INVENTOR(s): NAGOYA MITSUGI
APPLICANT(s): DUAXES CORP
APPL. NO.:   2001-088920 [JP 20011088920]
FILED: March 26, 2001 (20010326)
INTL CLASS: **G06F-011/20** ; G06F-012/00; G06F-012/16; G06F-013/00;
              G06F-015/177

ABSTRACT
PROBLEM TO BE SOLVED: To provide a duplex server system enabling seamless
handling over of a service under execution when a failure occurs.

SOLUTION: This duplex server system is composed of first and second servers
connected to a network and having the same network address, a communicating
means enabling high-speed communication between both servers, and a
switching **control** means communicating to both servers, and setting the
first   server as a main server externally working and the **second
server** as a **secondary   server** at a normal condition. When the **first
server** receives a service request to the system, the service request is
transferred to an **application** so as to process the service request. So
that, recovery data outputted from the application is sent to the second
server by the communicating means. When processing related to the service
request is accompanied by updating of data held by the server system, the
second server executes the application by using the recovery data sent from
the first server, thereby keeping data held by both servers same at all the
time.

07230993   **Image available**
COMMUNICATION TERMINAL APPARATUS AND ITS OPERATING METHOD

PUB. NO.:   2002-099441 [JP 2002099441 A]
PUBLISHED: April 05, 2002 (20020405)
INVENTOR(s): NAGAOKA HIDETADA
              MATOBA NARIHIRO
APPLICANT(s): MITSUBISHI ELECTRIC CORP
APPL. NO.:   2000-292098 [JP 2000292098]
FILED: September 26, 2000 (20000926)
INTL CLASS: **G06F-011/00** ; H04M-001/00

ABSTRACT
PROBLEM TO BE SOLVED: To provide a communication terminal apparatus capable
of performing an update of a **control** program without using a
special-purpose rewriting tool.

SOLUTION: In the apparatus, a **control   program** 13 for update stored into

a removable **secondary** storage **device** 7 is read to store into a flash
memory 5 in the apparatus if a detecting means 3 for pros and cons on
operation detects that the operation should be allowed.

15/5/3   (Item 3 from file: 347)

05285720   **Image available**
ONLINE CAPACITY EXTENDING METHOD FOR EXTERNAL STORAGE DEVICE

PUB. NO.:   08-241220 [JP 8241220 A]
PUBLISHED: September 17, 1996 (19960917)
INVENTOR(s):   YAMAGAMI AKIHIRO
               FUTAGAMI ARATA
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese
               Company or Corporation), JP (Japan)
APPL. NO.:   07-047306 [JP 9547306]
FILED: March 07, 1995 (19950307)
INTL CLASS: [6] **G06F-011/20** ; G06F-003/06; G06F-013/16
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
               45.2 (INFORMATION PROCESSING -- Memory Units); 45.3
               (INFORMATION PROCESSING -- Input Output Units)

                         ABSTRACT
PURPOSE: To increase the size and the number of logical devices in
accordance with the increase of the capacity of an external storage device
by changing format information or volume information and generating the
logical devices.

CONSTITUTION: This method consists of a current device 10a and a standby
device 10b each of which has an external storage device 1, and one logical
device 2 is assigned to each external storage device 1. One virtual logical
device 3 is defined in this system, thereby realizing the **device
multiplexing** function. When **application software** being higher-order
software requests input/output to only this virtual logical device 3, the
processing to each logical device 2 is performed by the **control** of
device multiplexing . This input/output request information) is
synchronized with the current device 10a as well as the standby device 10b,
and the same information is stored. Thus, the size and the number of
logical devices 2 are increased, and information is transferred between
different capacities.

15/5/4   (Item 4 from file: 347)

04423911   **Image available**
MULTIPLEXED DISK CONTROL DEVICE

PUB. NO.:   06-067811 [JP 6067811 A]
PUBLISHED: March 11, 1994 (19940311)
INVENTOR(s):   MORI YASUHIRO
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:   04-222565 [JP 92222565]
FILED: August 21, 1992 (19920821)

ABSTRACT

PURPOSE: To improve the responsibility of a user **program** and the
reliability of a system in a **multiplexed** disk **control** **device** for
storing the same contents in plural disks.

CONSTITUTION: When a write request is issued from a user program, a writing
means 12 writes data in a main data storage device 19. Data written in the
device 19 are periodically copied to a sub-data storage device 18 by a
copying means 13. When a reading request is issued from the user program, a
reading means 11 reads out requested data from the device 18 when the data
are stored in the device 18, and when the data are not stored in the device
18, switches the access to the device 19 and reads out the data from the
device 19. Then the means 13 copies the data to be read out from the device
19 to the device 18

 15/5/5   (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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03325441   **Image available**
SYSTEM FOR INSPECTING COMPUTER

ABSTRACT

PURPOSE: To inspect a computer which does not have an interface with a
secondary storage device by providing a means which receives an inspection
program from the other computer having the secondary storage device on a
network.
CONSTITUTION: The inspection program transmission request part 12 of the
first   computer 1 transmits the transmission request signal of the
inspection **program** to the second computer 2. The inspection **program**
 transmission part 23 of the **second** **computer** 2 transmits the inspection
 program which is read from the **secondary** storage **device** 24 to the
 first   **computer**   1 by the inspection **program** reading part 22. The
inspection **prog**ram transmission part 13 of the first computer 1 receives
the inspection program, and an inspection program execution **control** part
14   **controls**   the execution of the inspection program. Then, an inspected
result is transmitted to an inspection result display part 17 through an
inspection result recording part 15 and a non-volatile memory 16. Thus,
inspection is efficiently attained without the necessity of an inspector in
the middle of inspection.

15/5/6   (Item 6 from file: 347)

02707240   **Image available**
IN-CIRCUIT EMULATOR

PUB. NO.:   01-004840 [JP 1004840 A]
PUBLISHED: January 10, 1989 (19890110)
INVENTOR(s):   YOSHIDA YOSHIO
APPLICANT(s): YOKOGAWA ELECTRIC CORP [000650] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:   62-161596 [JP 87161596]
FILED: June 29, 1987 (19870629)
INTL CLASS: [4] **G06F-011/22** ; G06F-009/44
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
               Microprocessers)
JOURNAL: Section: P, Section No. 861, Vol. 13, No. 167, Pg. 95, April
               20, 1989 (19890420)

ABSTRACT
PURPOSE: To debug a target program of a large capacity by an emulation
memory of a small capacity, by adding a breaking signal to an address
mapping RAM, and adding a means for storing a program counter of a target
.mu.P at the time when the breaking signal has been outputted.

CONSTITUTION: When the execution of a target microprocessor .mu.P1 has
reached an address which is not brought to mapping on an emulation memory
3, the target .mu.P1 is stopped, and by a **control** CPU 6, a part of a data
of the emulation memory 3 is saved to a **secondary** storage **device** 7.
Simultaneously, a **program** containing an address which has been broken is
saved from the **secondary** storage **dev**ice 7 and transferred to a part of
the emulation memory 3 which has become a dead area, and from the address
which has been broken, the program is re-executed. In such a way, a target
program of a large capacity can be debugged by the emulation memory 3 of a
small capacity.

15/5/7   (Item 7 from file: 347)

02665956   **Image available**
MULTI-ACCESS CONTROL DEVICE

PUB. NO.:   63-282856 [JP 63282856 A]
PUBLISHED: November 18, 1988 (19881118)
INVENTOR(s):   KUDEGATA HIROSHI
               ISHIHARA MUNETOSHI
APPLICANT(s): TAKAOKA IND LTD [000284] (A Japanese Company or Corporation),
               JP (Japan)
APPL. NO.:   62-116889 [JP 87116889]
FILED: May 15, 1987 (19870515)
INTL CLASS: [4] **G06F-011/28** ; G06F-009/44
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 842, Vol. 13, No. 104, Pg. 14, March
               13, 1989 (19890313)

ABSTRACT

PURPOSE: To multiplexly utilize a CPU emulation device by using a part of a monitor CPU address as an address space of a memory for storing a program to be emulated.

CONSTITUTION: A monitor CPU program address space a1 is an area for storing a program for operating a monitor CPU itself and a monitor CPU data address space a2 is an area to be used as a buffer at the time of loading data from a host CPU 1. An emulated program address space a3 is an area for storing m emulated programs. The address spaces a1, a2 use a memory 3 and the address space a3 uses a memory 14. An emulated **program** is switched under **control** based on the monitor CPU 4. Consequently, one CPU emulation **device** can be **multiplexly** utilized.

15/5/8   **(Item 8 from file: 347)**
DIALOG(R)File 347:JAPIO
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02109644   **Image available**
PROGRAMMABLE CONTROLLER

PUB. NO.:   62-026544 [JP 62026544 A]
PUBLISHED: February 04, 1987 (19870204)
INVENTOR(s):   AMAZAKI SHINICHI
                 ITO YOSHIFUMI
APPLICANT(s):   MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
                 Corporation), JP (Japan)
APPL. NO.:   60-166006 [JP 85166006]
FILED: July 29, 1985 (19850729)
INTL CLASS: [4] **G06F-011/00**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
                 Microprocessers)
JOURNAL: Section: P, Section No. 592, Vol. 11, No. 207, Pg. 12, July
                 04, 1987 (19870704)

ABSTRACT

PURPOSE: To prevent the runaway of a program by processing input data from plural input/output means by reading it as command data to plural central processors, and deciding the generation of abnormality based on common data of a data storage means.

CONSTITUTION: A microprocessor 3, an input/output image memory 5, and a sequence **program** 7 are provided on **plural** **CPU** units, respectively, a **multiplexing** **control** unit 13 having a majority logic circuit 15 and a microprocessor 17 is provided between plural input/output units 11 and the unit 1, and input data from the unit 11 and data which has been processed by the processor 3 are stored in a memory 5. When operation processing of the processor 3 is detected, the processor 17 reads out and compares output data of all memories 5, and when there is output data which does not coincide, generation of abnormality is informed to each unit 1 and driving of system is stopped.

15/5/9   **(Item 9 from file: 347)**
DIALOG(R)File 347:JAPIO
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01452001   **Image available**
PROGRAMMABLE CONTROLLER

ABSTRACT

PURPOSE: To perform the **programmable control** with high efficiency by
using another CPU for **backup** after giving a partial change to a **program**
if a certain CPU has a fault through parallel operations of **plural   CPUs**
of low speeds.

CONSTITUTION: When a fault detector 13 detects the fault of a CPU11, a
signal is sent to a start controller 14 to stop the CPU11. Then the cycle
stop signal of a CPU21 is sent to a start controller 24 of the CPU21. When
the working of the CPU21 is stopped, the jumping destination of the last
jump instruction of a program is changed to the head of the program of a
memory 12 from the head of the program of a memory 22. This change of the
program head is carried out by delivering a changing signal to a program
changing device 30 from the detector 13 and rewriting the memory contents
by the device 30. Then a program counter of the CPU21 is set at the program
head address of the memory 12 by a program counter setting device 25. Then
the controller 24 actuates the CPU21 to perform a backup operation

 15/5/10   (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
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01205053   **Image available**
DATA PROCESSING DEVICE

ABSTRACT

PURPOSE: To attain the program diagnosis without providing a means storing
a diagnostic **program** in a **control** memory, by using the constitution of
a **multiplexed** processing **device** and storing the diagnostic microprogram
with the other processing device.
CONSTITUTION: A duplicated data processing device is constituted with a
device 11 to be diagnosed and a diagnostic device 12 and an instruction
executing sequence and a microprogram word are stored in a control memory 4

of the device 11. The address of this memory 4 is accessed with the content
of a control memory address register 3 and the normal processing is
executed with an operator 110. Data and a diagnostic indicating signal from
the device 12 are applied to a switching circuit 5 of the device 11, and
the data is stored in a microinstruction register 6 via the circuit 5. A
gate control line 8 is controlled with the information stored in the
register 6, the output operates each circuit of the device 12 and the
program diagnosis is executed without storing the diagnostic program to the
memory 4

 15/5/11   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015133764   **Image available**
WPI Acc No: 2003-194289/200319
XRPX Acc No: N03-154591
  **Transfer agent damage monitoring method for execution of service program,
  involves monitoring transfer agent group at time of moving transfer agent
  inbetween computer nodes**
Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003030161	A	20030131	JP 2001210146	A	20010711	200319	B

Priority Applications (No Type Date): JP 2001210146 A 20010711
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003030161	A		14	G06F-015/16	

Abstract (Basic): JP 2003030161 A
        NOVELTY - Transfer agent group consisting of multiple transfer
    agents is monitored at the time of moving the transfer agents inbetween
    the computer nodes connected to the network for detecting the damage of
    the transfer agent.
        USE - Transfer **agent** damage monitoring method for execution of
    service **program** in **multiple   computer   nodes** connected to
    network .
        ADVANTAGE - Detects damage of the transfer agent immediately and
    prevents the increase of load of the monitoring apparatus, during the
    increase in the number of transfer agents or computer nodes. Shortens
    the distance of communication between the transfer agents and reduces
    communication cost.
        DESCRIPTION OF DRAWING(S) - The figure shows the series of
    processing procedures. (Drawing includes non-English language text).
        pp; 14 DwgNo 7/11
Title Terms: TRANSFER; AGENT; DAMAGE; MONITOR; METHOD; EXECUTE; SERVICE;
  PROGRAM; MONITOR; TRANSFER; AGENT; GROUP; TIME; MOVE; TRANSFER; AGENT;
  COMPUTER; NODE
Derwent Class: T01
International Patent Class (Main): G06F-015/16
International Patent Class (Additional): **G06F-011/30** ; G06F-015/00;
  G06F-017/60
File Segment: EPI

 15/5/12   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014687334   **Image available**
WPI Acc No: 2002-508038/200254
XRPX Acc No: N02-402048
   **Simultaneous data file transmission method involves establishing
   simultaneous data communicating connection between backup application
   agent and backup managing unit**
Patent Assignee: FALD F D (FALD-I)
Inventor: FALD F D
Number of Countries: 096   Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200235355	A1	20020502	WO 2001DK707	A	20011025	200254	B
AU 200210408	A	20020506	AU 200210408	A	20011025	200257	

Priority Applications (No Type Date): DK 2001U85 U 20010320; DK 2000U42 U
   20001025
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200235355	A1	E	38	G06F-011/14	

   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
   CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
   IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
   PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

| AU 200210408 | A | | | G06F-011/14 | Based on patent WO 200235355 |

Abstract (Basic): WO 200235355 A1
     NOVELTY - The simultaneous data communicating connections are
   established between the **backup   application** agents (BUA1-BUA3) of
   computers in a **computer   network** , and a **backup   managing** unit of
   a **backup** system which is connected to the network. The data files
   (17) from the computers and the backup application **agents** are
   simultaneously transmitted to the backup managing unit and stored in
   the databases.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the
   following:
     (1) Computer program product storing instructions for simultaneous
   data file transmission; and
     (2) Simultaneous backup system.
     USE - For simultaneously transmitting data files from computers in
   computer network.
     ADVANTAGE - Faster backup is performed by transmitting the data
   files simultaneously. The data files from computer are transmitted
   continuously, hence the safety of computer system is enhanced and loss
   of data is avoided.
     DESCRIPTION OF DRAWING(S) - The figure shows a detailed view of the
   simultaneous data file transmission.
     Data file (17)
     Backup application agents (BUA1-BUA3)
     pp; 38 DwgNo 4/7
Title Terms: SIMULTANEOUS; DATA; FILE; TRANSMISSION; METHOD; ESTABLISH;
  SIMULTANEOUS; DATA; COMMUNICATE; CONNECT; APPLY; AGENT; MANAGE; UNIT
Derwent Class: T01; U21
International Patent Class (Main): **G06F-011/14**
File Segment: EPI

                        Bode Akintola   09-Jun-03

014241111   **Image available**
WPI Acc No: 2002-061811/200208
XRPX Acc No: N02-045909
   **Distributed network system for multimedia application, monitors data
   transmission point existing between application program execution portion
   and transport protocol layer and communicates with controller repeatedly**
Patent Assignee: CENTRICITY INC (CENT-N)
Inventor: LAKSHMANAN H; PANDYA S
Number of Countries: 094 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200171495	A1	20010927	WO 2000US16572	A	20000614	200208	B
AU 200057424	A	20011003	AU 200057424	A	20000614	200210	
EP 1242884	A1	20020925	EP 2000942855	A	20000614	200271	
			WO 2000US16572	A	20000614		
TW 480859	A	20020321	TW 2000114081	A	20000714	200308	

Priority Applications (No Type Date): US 2000532101 A 20000321
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200171495	A1	E	75	G06F-011/00	

   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH
   CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
   KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU
   SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200057424	A			G06F-011/00	Based on patent WO 200171495
EP 1242884	A1	E		G06F-011/00	Based on patent WO 200171495

   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI

TW 480859	A			H04L-012/00	

Abstract (Basic): WO 200171495 A1
     NOVELTY - **Multiple   computers** (22) interconnected by network
   link (24), includes layered communication protocol stack which provides
   interface between **application   programs** and **network** link. Each
   computer has a controller and **agent** . The **agent** dynamically
   monitors the data transmission point existing between **application**
   program execution portion and transport protocol layer, and
   communicates with controller repeatedly.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
     (a) Dynamic bandwidth allocation system;
     (b) Dynamic bandwidth allocation method
     USE - Distributed network system for multimedia applications
   includes general purpose computers, laptop computers, handheld
   computers, wireless computing device, mobile telephones, pagers,
   pervasive computing devices, servers, routers, hubs and palm computers.

     ADVANTAGE - The tracking and monitoring of resource status by the
   agent reduces unnecessary and frustrating access attempts to
   unavailable resources, as the user is provided with information about
   unsuccessful attempts. The bandwidth allocation for resources are
   static and are not dynamically allocated in response to changing
   network conditions.
     DESCRIPTION OF DRAWING(S) - The figure shows the distributed

network system.
    Computer (22)
    Network link (24)
    pp; 75 DwgNo 2/16
Title Terms: DISTRIBUTE; NETWORK; SYSTEM; APPLY; MONITOR; DATA;
  TRANSMISSION; POINT; EXIST; APPLY; PROGRAM; EXECUTE; PORTION; TRANSPORT;
  PROTOCOL; LAYER; COMMUNICATE; CONTROL; REPEAT
Derwent Class: T01; W01; W05
International Patent Class (Main): **G06F-011/00** ; H04L-012/00
International Patent Class (Additional): H04L-029/02
File Segment: EPI

 15/5/14   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013690123   **Image available**
WPI Acc No: 2001-174347/200118
XRPX Acc No: N01-126229
  **Program test system has terminal identifier which recognizes event from
  test script relative to object terminal name, during test execution of
  terminal**
Patent Assignee: NEC IC MICROCOMPUTER SYSTEMS LTD (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2001005690 A   20010112 JP 99174153   A   19990621 200118 B

Priority Applications (No Type Date): JP 99174153 A 19990621
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2001005690 A   10 G06F-011/28

Abstract (Basic): JP 2001005690 A
      NOVELTY - An adder (101) collects event performed by test operation
  person at terminal, based on objective terminal name in input file, and
  adds terminal name to that event. A recording unit (103) recording
  terminal name, converts event information into test script (12) at
  preset time. Terminal identifier (102) recognizes the event from test
  script relative to object terminal name, during test execution of
  terminal.
      USE - For testing graphical user interface (GUI) program.
      ADVANTAGE - By adding terminal name to the event performed by test
  operation person, the event occurrence in **multiple   terminals** and
  data **management** is enabled, thus automation of test of complicated
  GUI **program** is enhanced.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
  program test system.
      Test script (12)
      Adder (101)
      Terminal identifier (102)
      Recording unit (103)
      pp; 10 DwgNo 1/8
Title Terms: PROGRAM; TEST; SYSTEM; TERMINAL; IDENTIFY; EVENT; TEST; SCRIPT
  ; RELATIVE; OBJECT; TERMINAL; NAME; TEST; EXECUTE; TERMINAL
Derwent Class: T01
International Patent Class (Main): **G06F-011/28**
File Segment: EPI

```
Set     Items    Description
S1          0    AU=(CRESCENTI J? OR CRESCENTI, J? OR PRAHLAD A? OR PRAHLAD,
                 A?)
S2     111006    RETRIEVAL? OR BACKUP? OR BACK()UP? ?
S3    2962674    SOFTWARE? OR PROGRAM? OR APPLICATION? OR FREEWARE? OR SHAR-
                 EWARE
S4    2477526    NODE? OR TERMINAL? OR PC? ? OR COMPUTER? ? OR CPU? ? OR WO-
                 RKSTATION? OR SERVER? ? OR DEVICE? ?
S5     154404    S4(2N)(PLURAL? OR SEVERAL OR VARIOUS OR MANY OR MULTIPL? OR
                 NUMEROUS OR NETWORK? ? OR 1ST OR 2ND OR FIRST OR SECOND?)
S6    2532134    MANAG? OR CONTROL? ? OR AGENT?
S7     608254    STORAGE? OR ARCHIV? OR DATABASE? OR DB OR DATA()BASE?
S8     178459    S3(3N)S6
S9       3524    S8(25N)S5
S10        72    S9(10N)S2
S11        58    S10 NOT PY>1999
S12        54    S11 NOT PD=19990715:20030609
S13        53    RD (unique items)
? show file
File    2:INSPEC 1969-2003/Jun W1
         (c) 2003 Institution of Electrical Engineers
File   35:Dissertation Abs Online 1861-2003/May
         (c) 2003 ProQuest Info&Learning
File   65:Inside Conferences 1993-2003/Jun W2
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File   99:Wilson Appl. Sci & Tech Abs 1983-2003/Apr
         (c) 2003 The HW Wilson Co.
File  233:Internet & Personal Comp. Abs. 1981-2003/May
         (c) 2003 Info. Today Inc.
File  474:New York Times Abs 1969-2003/Jun 07
         (c) 2003 The New York Times
File  475:Wall Street Journal Abs 1973-2003/Jun 06
         (c) 2003 The New York Times
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File  256:SoftBase:Reviews,Companies&Prods. 82-2003/May
         (c)2003 Info.Sources Inc
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13/5/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
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6118875   INSPEC Abstract Number: C9902-7250N-005
 Title: **User modelling for intelligent agents used in information retrieval
systems**
  Author(s): Choros, K.
  Author Affiliation: Politech. Wroclawska, Poland
  Conference Title: Inzynieria Wiedzy I Systemy Ekspertowe (Knowledge
Engineering and Expert Systems)   Part vol.2   p.94-101 vol.2
  Editor(s): Bubnickiego, Z.; Grzecha, A.
  Publisher: Oficyna Wydawnicza Politech. Wroclawskiej, Wroclaw, Poland
  Publication Date: 1997 Country of Publication: Poland   2 vol. 363+408
pp.
  ISBN: 83 7085 276 9   Material Identity Number: XX98-02854
  Conference Title: Inzynieria Wiedzy I Systemy Ekspertowe (Knowledge
Engineering and Expert Systems)
  Conference Date: 10-12 June 1997   Conference Location: Wroclaw, Poland
  Availability: Oficyna Wydawnicza Politechniki Wroclawskiej, Wybrzeze
Wyspianskiego 27, 50-370 Wroclaw, Poland
  Language: Polish   Document Type: Conference Paper (PA)
  Treatment: Practical (P)

  Abstract: Previously,   information   retrieval   systems   were mainly
accessible in information centres with very powerful computers. Users were
not permitted to access databases directly. Retrieval processes were
possible in co-operation with information intermediaries. Now, mostly due
to **computer   networks** , users themselves search for information in most
databases.   Individual   **retrieval**   is   much easier because of the
implementation of intelligent agents in information servers. An intelligent
 agent   is **software** which is capable of recognising protocols, programs,
indexes etc. and even of defining information retrieval strategy. The main
objective of applying intelligent agents in information retrieval is to
improve retrieval effectiveness by adapting the retrieval strategy to
individual user information needs and preferences. (17 Refs)
  Subfile: C
  Descriptors: information needs; information retrieval; information
retrieval systems; online front-ends; software agents; user modelling
  Identifiers: database searching; intelligent agents; information servers;
information retrieval systems; information needs
  Class Codes: C7250N (Search engines); C6170 (Expert systems and other AI
software and techniques); C6180 (User interfaces); C7250R (Information
retrieval techniques)

13/5/2   (Item 2 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5486734
 Title: Trading up
  Journal: Communications News   vol.33, no.12   p.19
  Publisher: Nelson Publishing,
  Publication Date: Dec. 1996 Country of Publication: USA
  CODEN: CMUNA9 ISSN: 0010-3632
  SICI: 0010-3632(199612)33:12L.19:T;1-Z
  Material Identity Number: F947-97001
  Language: English   Document Type: Journal Paper (JP)
  Treatment: Practical (P)
  Abstract: The   Stock   Exchange of Hong Kong (SEHK), the world's seventh

largest exchange, doubled its trading capacity with a multimillion-dollar computer network upgrade. Driven by a need to improve customer relations and be more accessible to its 900 brokerage offices, the exchange also wanted more network power to handle the rapidly increasing volume of trading. Now each brokerage office receives up-to-date market information by computer. Stock trades, file transfers, **management** data, and **software backups** are executed directly over the new **computer** **network** . The core communications product linking the remote offices to the SEHK's premises is the NCX-300 Advantage data communications software from Inetco Systems Ltd., of Vancouver, B.C. (0 Refs)
   Subfile: D
   Descriptors: computer networks; integrated software; stock markets
   Identifiers: Stock Exchange of Hong Kong; trading capacity; computer network upgrade; customer relations; brokerage offices; network power; up-to-date market information; stock trades; file transfers; management data; software backups; NCX-300 Advantage data communications software; Inetco Systems
   Class Codes: D2050F (Financial markets); D5020 (Computer networks and intercomputer communications)
   Copyright 1997, IEE

   13/5/3   (Item 3 from file: 2)
DIALOG(R)File   2:INSPEC
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5241394   INSPEC Abstract Number: C9605-0220-175
   Title: **Twenty-Seventh SIGCSE Technical Symposium on Computer Science Education**
   Journal: SIGCSE Bulletin   vol.28, no.1
   Publisher: ACM,
   Publication Date: March 1996 Country of Publication: USA
   CODEN: SIGSD3 ISSN: 0097-8418
   Material Identity Number: S270-96001
   Conference Title: Twenty-Seventh SIGCSE Technical Symposium on Computer Science Education
   Conference Sponsor: ACM
   Conference Date: 15-18 Feb. 1996   Conference Location: Philadelphia, PA, USA
   Language: English   Document Type: Conference Proceedings (CP); Journal Paper (JP)
   Treatment: Practical (P)
   Abstract: The following topics were dealt with: algorithms; object oriented programming education; gender issues; computer architecture; non-traditional learning in computer-science education; database and information **retrieval** ; classroom **management** ; educational **software** ; formal methods; operating systems; software engineering; learning theory; curriculum; Pascal; World Wide Web; programming languages; distributed processing and **computer** **networks** ; and high school education.
   Subfile: C
   Descriptors: computer aided instruction; computer science education; educational courses; gender issues; programming
   Identifiers: Internet; algorithms; object oriented programming; education ; gender issues; computer architecture; computer-science education; database; information retrieval; classroom management; educational software ; formal methods; operating systems; software engineering; learning theory; curriculum; Pascal; World Wide Web; programming languages; distributed processing; computer networks; high school education
   Class Codes: C0220 (Computing education and training); C6110 (Systems analysis and programming); C7810C (Computer-aided instruction)
   Copyright 1996, IEE

13/5/4   (Item 4 from file: 2)
DIALOG(R)File   2:INSPEC

4718483   INSPEC Abstract Number: C9409-0310-004
  Title: Outsourcing: a key to controlling escalating IT costs?
  Author(s): Takac, P.F.
  Author Affiliation: Anderson Consulting, Melbourne, Vic., Australia
  Journal: International Journal of Technology Management   vol.9, no.2
p.139-55
  Publication Date: 1994 Country of Publication: Switzerland
  CODEN: IJTMEG ISSN: 0267-5730
  Language: English   Document Type: Journal Paper (JP)
  Treatment: General, Review (G)

  Abstract: In their search for optimum performance and cost efficiency
many organizations have been critically examining the seemingly
ever-increasing cost of, and dependence on, technology. In the course of
examining possible alternative, and potentially more cost-efficient,
approaches to technology management the concept of outsourcing has been
widely discussed and has attracted high levels of interest among both
industry and governments. Organizations are primarily driven towards
outsourcing by a desire for cost rationalization, particularly through the
achievement of economies of scale and operational efficiencies. By making
data processing, networking and voice communications the core of its
business, the outsourcer can presumably undertake such activities more
efficiently. These efficiencies are to be found in people, **software**
 tools, **computers** , **network**   **management** centres, **back - up** and
recovery facilities and management focus. Essentially, the outsourcer's
assumption is that he can do a better job cheaper than the user. Is this,
however, correct? The purpose of this paper is to examine critically the
concept, implementation and management issues related to outsourcing
information technology services. (19 Refs)
  Subfile: C
  Descriptors: DP management; office automation; outsourcing
  Identifiers: outsourcing; IT costs control; cost rationalization;
economies of scale; operational efficiencies; data processing; networking;
voice communications; software tools; computers; network management centres
; information technology services
  Class Codes: C0310 (EDP management)

13/5/5   (Item 5 from file: 2)
DIALOG(R)File   2:INSPEC

04039633   INSPEC Abstract Number: B9201-0100-062, C9201-7250-014
   **Title: Text Retrieval: Information First. Proceedings of the Institute of
Information Scientists 1990 Text Retrieval Conference**
  Editor(s): Gillman, P.
  Publisher: Taylor Graham, London, UK
  Publication Date: 1991 Country of Publication: UK   126 pp.
  ISBN: 0 947568 47 6
  Conference Date: Oct. 1990   Conference Location: London, UK
  Language: English   Document Type: Conference Proceedings (CP)
  Treatment: Practical (P)

  Abstract: The following topics were dealt with: end-user integration in
text **retrieval** systems; thesaurus modules in text **management**   **software**
; full-text document **retrieval** ; **computer**   **networks** for text **retrieval**

systems; library functions using text **retrieval** ; government auditing
using text management; spelling checkers; hypertext and document image
processing.
    Subfile: B C
    Descriptors: computer networks; database management systems; document
image processing; government data processing; indexing; information
retrieval systems; library automation; word processing
    Identifiers: end-user integration; text retrieval systems; thesaurus
modules; text management software; full-text document retrieval; computer
networks; library functions; government auditing; spelling checkers;
hypertext; document image processing
    Class Codes: B0100   (General electrical engineering topics); B6210L (
Computer communications); C7250   (Information storage and retrieval); C7240
 (Information analysis and indexing); C7210L (Library automation); C5620   (
Computer networks and techniques); C6160   (Database management systems
(DBMS)); C7130   (Public administration)

    13/5/6   (Item 6 from file: 2)
DIALOG(R)File   2:INSPEC
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01831494   INSPEC Abstract Number: C82015323
    Title: The database machine developed by COPERNIQUE
    Author(s): Armisen, F.M.Jp.
    Author Affiliation: COPERNIQUE, Bougival, France
    Conference   Title: Convention   Informatique   1981.   The   Means   of
Computerisation   p.45-7 vol.A
    Publisher: Convention Informatique, Paris, France
    Publication   Date: 1981 Country   of   Publication: France   2   vol.
(496+402) pp.
    Conference Date: 21-25 Sept. 1981   Conference Location: Paris, France
    Language: French   Document Type: Conference Paper (PA)
    Treatment: General, Review (G)
    Abstract: COPERNIQUE   is   a French company, specialized on the design of
processors   oriented   toward   data   storage   and   **retrieval**   , for various
 applications as transaction **management** , computer centers, numeric image
handling,   messages   and   packets   storage   in a **network**   **node** , fast data
acquisition   ... Several products are in the development stage, including a
data base machine.   (7 Refs)
    Subfile: C
    Descriptors: special purpose computers
    Identifiers: special purpose computers; database machine; COPERNIQUE;
French company; data storage; retrieval; transaction management; computer
centers; numeric image handling; messages; packets storage; data
acquisition
    Class Codes: C5420   (Mainframes and minicomputers)

    13/5/7   (Item 7 from file: 2)
DIALOG(R)File   2:INSPEC
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01723899   INSPEC Abstract Number: C81026389
    Title: Communications statistical network analysis program
    Author(s): Calva, J.R.; Shokes, R.H.; Smalley, J.B.; Stark, D.G.
    Author Affiliation: IBM Corp., Armonk, NY, USA
    Journal: IBM Technical Disclosure Bulletin   vol.23, no.9   p.4282-8
    Publication Date: Feb. 1981 Country of Publication: USA
    CODEN: IBMTAA   ISSN: 0018-8689
    Language: English   Document Type: Journal Paper (JP)
                        Bode Akintola   09-Jun-03

Treatment: Practical (P)
   Abstract: The communications statistical network analysis program (CSNAP) is a **program** that **controls** the logging, **retrieval** , formatting, and output of statistical data for a **computer** system communications **network** . CSNAP is a general-purpose error analysis program where operational performance is viewed in terms of error percent (error data/all data)*100. Only communications data, free of device or subsystem dependencies, are analysed. (0 Refs)
   Subfile: C
   Descriptors: computer networks; error analysis; program debugging; statistical analysis
   Identifiers: communications statistical network analysis program; logging ; retrieval; formatting; computer system communications network; error analysis program
   Class Codes: C1140Z (Other and miscellaneous); C5620 (Computer networks and techniques); C6150G (Diagnostic, testing, debugging and evaluating systems)

   13/5/8   (Item 8 from file: 2)
DIALOG(R)File   2:INSPEC

01349456   INSPEC Abstract Number: B79024746, C79016722
   Title: Reliable error recovery in distributed computer control systems
   Author(s): Schoeffler, J.D.
   Author Affiliation: Dept. of Computer & Information Sci., Cleveland State Univ., Cleveland, OH, USA
   Conference   Title: 1979   Power   Industry   Computer   Applications Conference-PICA-79   p.245-9
   Publisher: IEEE, New York, NY, USA
   Publication Date: 1979 Country of Publication: USA   vii+407 pp.
   Conference Sponsor: IEEE
   Conference Date: 15-18 May 1979   Conference Location: Cleveland, OH, USA
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Practical (P)
   Abstract: The critical nature of computer **control** **applications** such as electric power generation and distribution has led to tightly coupled computer systems in which **multiple** processors and **devices** may be electronically switched into various configurations for **backup** purposes. By distributing the tasks into separate but communicating modules, overall system reliability and availability may be achieved with less complex hardware. Furthermore, distribution of the time critical tasks leads to less complex software. Error recovery in such a system is complicated not by the distribution of the application tasks but by the distribution of the data base shared among the tasks. Error recovery techniques are discussed, especially their effect on the resulting loading of the communication channels. (5 Refs)
   Subfile: B C
   Descriptors: distributed processing; power system computer control
   Identifiers: distributed computer control systems; electric power generation; multiple processors; system reliability; availability; time critical tasks; data base; communication channels; error recovery
   Class Codes: B8110B (Power system management, operation and economics); C3340H (Electric systems); C5600 (Data communication equipment and techniques); C7410B (Power engineering)

   13/5/9   (Item 9 from file: 2)
DIALOG(R)File   2:INSPEC

01334670   INSPEC Abstract Number: C79013384
  Title: Documentation of the social security legislation with ATMS and STAIRS
  Author(s): Widlar, P.
  Author Affiliation: Bundesministerium fur Soziale Verwaltung, Wien, Austria
  Journal: IBM Nachrichten   vol.28, no.243   p.369-77
  Publication Date: Dec. 1978 Country of Publication: West Germany
  CODEN: IBMNAQ ISSN: 0018-8662
  Language: German   Document Type: Journal Paper (JP)
  Treatment: General, Review (G)

  Abstract: This article describes the objectives, implementation, usage and planned expansion of the computerised documentation system for drafting and amending the complex social security legislation of Austria. The system can be applied to any other area of legislation. The hardware consists of two IBM 370/148 machines with advanced text **management** and information **retrieval programs** (ATMS and STAIRS) running under CICS/VS OS, with display/printer **terminals** located at **various** ministries and bodies concerned with social security legislation. The drafting procedure is illustrated with flow charts and printouts which are in the same format as the standard loose-leaf issues of by-laws and amendments. The article ends with a review of the facilities provided by ATMS and STAIRS programs. (0 Refs)
  Subfile: C
  Descriptors: government data processing; information retrieval systems; legislation
  Identifiers: social security legislation; ATMS; STAIRS; computerised documentation system; Austria; IBM 370/148 machines; advanced text management and information retrieval programs; display/printer terminals; flow charts; printouts; government DP; IRS
  Class Codes: C7130 (Public administration)

  13/5/10   (Item 10 from file: 2)
DIALOG(R)File   2:INSPEC

00064888   INSPEC Abstract Number: C69010838
 Title: File structures for generalized data management
  Author(s): McGee, W.C.
  Author Affiliation: IBM Corp., Palo Alto, CA, USA
  Conference Title: Fourth congress of the International Federation for Information Processing. Applications I   Part 7   p.f68-73
  Publisher: North-Holland, Amsterdam, Netherlands
  Publication Date: 1968 Country of Publication: Netherlands   111 pp.
  Conference Sponsor: IFIP
  Conference Date: 5-10 Aug. 1968   Conference Location: Edinburgh, UK
  Language: English   Document Type: Conference Paper (PA)

  Abstract: Presents techniques for representing complex data structures as directed graphs, and for making explicit declarations of graph-structured files. The techniques are extensions of those found in many generalized data management systems for representing data structures as trees, which are special forms of graphs. The techniques could thus be used to extend the **application** of generalized data **management** to problems with data structures more complex than trees, including such problems as **network** analysis, **computer** graphics, and information **retrieval** .
  Subfile: C
  Descriptors: data structures; file organisation; trees (mathematics)

Class Codes: C6120   (File organisation)

13/5/11   (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
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1260767 H.W. WILSON RECORD NUMBER: BAST95056533
Coming: better data management tools
Salamone, Salvatore;
Byte v. 20 (Sept. '95) p. 32NA 8
DOCUMENT TYPE: Feature Article ISSN: 0360-5280 LANGUAGE: English
RECORD STATUS: New record

ABSTRACT: The growing demand for increased storage capacity has sparked a
need for integrated data backup, restoration, and migration tools. In the
past, PC and network utility software vendors developed such tools, but now
companies known for their data-storage hardware products are becoming
involved. In the past year, Seagate Technology has acquired Palindrome,
which sold data **backup** and management systems, and Frye **Computer** , which
sold **network** and system **management software** . Other companies,
notably IBM and Microsoft, are also active in this area with their systems
management endeavors.

DESCRIPTORS: Database management; Storage allocation (Computer science);

13/5/12   (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00507498   98PK09-110
   **2 products redefine NT clustering: PowerSwitch/NT offers a low-budget
solution for sites that can tolerate downtime**
   Hartje, Roger
   PC Week , September 14, 1998 , v15 n37 p52, 1 Page(s)
   ISSN: 0740-1604
   Company Name: Apcon
   URL: http://www.apcon.com
   Product Name: PowerSwitch/NT 3.0
   Languages: English
   Document Type: Software Review
   Grade (of Product Reviewed): C
   Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
NT
   Geographic Location: United States
   Presents a mixed review of PowerSwitch/NT 3.0 ($5,620), a Windows
NT-based clustering solution from Apcon Inc. of Portland, OR (503). Claims
that it is capable of switching RAID arrays between primary and **secondary**
   servers , which allows a single **secondary server** to **back up** as
many as four primary servers. Explains that it boots a **secondary server**
 via **software** -based SCSI **control** , with the same **applications** and
operating system as the failed server. Reports that its software is
intuitive and easy to install. Warns that this type of clustering is
incapable of compensating for a failed operating system. Also complains
that it is difficult to configure hardware for this solution. Concludes
that overall this is a good clustering solution, though its reliability in
certain situations is questionable. Includes one screen display and one
product summary. (kgh)
   Descriptors: RAID; Disk Sharing; Backup; Switches; SCSI

Identifiers: PowerSwitch/NT 3.0;   Apcon

13/5/13   (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00480987   97NW12-012
   **Stalking the elusive MIP -- Have you ever wondered what your server does
in the middle of the night? InTrak's TrendTrak for NT 4.0 trend-analysis
utility may...**
   Demaree, Kirk
   Network , December 1, 1997 , v12 n13 p121-125, 5 Page(s)
   ISSN: 1069-5621
   Company Name: InTrak
   URL: http://www.intrak.com
   Product Name: TrendTrak for NT 4.0
   Languages: English
   Document Type: Software Review
   Grade (of Product Reviewed): B
   Hardware/Software Compatibility: 486-based PC;   Microsoft Windows NT
   Geographic Location: United States
   Presents a favorable review of TrendTrak for NT 4.0 ($649, initial
server license), a network/server performance analysis utility from InTrak
of San Diego, CA (800, 619). Calls this a simple, easy-to install, and
powerful solution that is extremely easy to use. Explains that it is
capable of retrieving data from multiple NetWare and Windows NT servers and
analyzing it at a single location. Complains that clock/polling bug caused
regular crashes during testing when running large applications. Notes,
however, that this problem has been resolved. Concludes that this is an
excellent analysis tool, and highly recommends it for NT managers looking
for a simple, powerful graphical analysis option. Includes three screen
displays and one product summary. (kgh)
   Descriptors: Data   Analysis;   Information **Retrieval ;   Network
Management ;   Networks ;   Server ;** Utility **Program**
   Identifiers: TrendTrak for NT 4.0; InTrak

13/5/14   (Item 3 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00469079   97NC08-007
   HSM solutions: what's in store for your data?
   Anderson, Ron
   Network Computing , August 1, 1997 , v8 n14 p104-110, 6 Page(s)
   ISSN: 1046-4468
   Languages: English
   Document Type: Buyer and Vendor Guide
   Geographic Location: United States
   Presents   a   buyers'   guide to Comprehensive Hierarchical Storage
Management (HSM) **software** . Features a table comparing 36 products from
28 manufacturers on model, list price, platforms, **secondary** and tertiary
 devices used, whether or not it is integrated with **backup** /restore
system that does not denigrate files during full system backup, text search
application, client platforms for text search applications, file migration
from client machines and servers supported, client platforms that support
file migration, the ability to write migrated files to multiple devices,
heterogeneous concurrent storage management, and GUI-based management
interface. Concludes that ``HSM products have always had a lot of

potential. The latest generation of HSM products may have what it takes to
move this potential into production.'' Includes one sidebar. (phi)
     Descriptors: File Management;   Software Review; Information Storage;
  Client-Server Computing

  13/5/15   (Item 4 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00462642   97LA06-008
   Replica improves NT's self-image
   Connolly, P J
   LAN Times , June 9, 1997 , v14 n12 p82, 1 Page(s)
   ISSN: 1040-5917
   Company Name: Stac
   Product Name: Replica 3.0 for Windows NT
   Languages: English
   Document Type: Software Review
   Grade (of Product Reviewed): B
   Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
NT
   Geographic Location: United States
   Presents a favorable review of Replica 3.0 ($499 per server), a Windows
NT hard disk recovery program from Stac Inc. of San Diego, CA (800, 619).
Says, that it treats a hard disk as an object and reads the physical
structure of the drive instead of navigating its file system. Adds that it
can be used to clone a standard setup among a variety of machines and
delivers fast performance. However, says that individual file recovery
requires mounting the backup tape as a server volume and warns that it does
not provide for backing up client workstations running Windows 95 or other
desktop OSes. Concludes that ``although its design isn't perfect, Replica
for NT is a solid performer that will rebuild a server quickly and with a
minimum of fuss.'' Includes a report card. (dpm)
     Descriptors: **Backup ;   Software Review ;   Network   Management ;
   Server ;   Networks ;** Window **Software ;** Disaster Recovery
     Identifiers: Replica 3.0 for Windows NT; Stac

  13/5/16   (Item 5 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00453594   97MA03-008
   **Replica quick but incomplete -- Object backup proves fast and powerful
for servers but no help for individual workstations**
   Connolly, P J
   LAN Times , March 3, 1997 , v14 n5 p56, 1 Page(s)
   ISSN: 1040-5917
   Company Name: Stac
   Product Name: Replica 3.0
   Languages: English
   Document Type: Software Review
   Grade (of Product Reviewed): B
   Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
   Geographic Location: United States
   Presents a favorable review of Replica 3.0 ($499 for server edition), a
server backup program from Stac Inc. of San Diego, CA (800, 619). Says it
provides excellent server recovery tools as well as fast replication of
server data. Adds that it comes with a simple administration interface that
facilitates software updates with its built-in browser. However, says its

object replication approach forces reading in an entire directory from tape, and does not support client backup. Calls it great. Includes a screen display and a report card. (dpm)
    Descriptors: **Backup ;** Software Review; Utility **Program ; Network Management ; Server**
    Identifiers: Replica 3.0; Stac

13/5/17   **(Item 6 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00424198   96PI05-254
    OS/2 Warp Server Advanced
    Rigney, Steve
    PC Magazine , May 28, 1996 , v15 n10 p180-187, 4 Page(s)
    ISSN: 0888-8507
    Company Name: IBM Corp.
    Product Name: OS/2 Warp Server Advanced
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): B
    Hardware/Software Compatibility: IBM PC Compatible
    Geographic Location: United States
    Presents a favorable review of OS/2 Warp Server Advanced ($1,299 per server for a 1,000 user license), a network operating system from IBM Corp. of Armonk, NY (800). Says it includes ``an impressive set of built-in utilities and an even more impressive choice of optional products.'' Adds that it works well as an application **server** OS for **many** existing applications. Comes with remote access software as well as a group of utilities for basic system **management , software** distribution, **software** and hardware inventory, and network **backup** and restore. However, says it does not support multiprocessing. Calls it a product that integrates many of the functions necessary for a full NOS into the NOS itself. Includes a screen display, a report card, and a summary card. (dpm)
    Descriptors: Network Operating Systems; Software Review; Network Management; Remote Computing
    Identifiers: OS/2 Warp Server Advanced; IBM Corp.

13/5/18   **(Item 7 from file: 233)**
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00423510   96PI05-072
    Seagate Storage Manager, NetWare Edition
    Rigney, Steve
    PC Magazine , May 14, 1996 , v15 n9 p186, 1 Page(s)
    ISSN: 0888-8507
    Company Name: Seagate Software Storage Management Group
    Product Name: Seagate Storage Manager, NetWare Edition
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): C
    Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows; DOS; Macintosh; Unix; OS/2; NetWare
    Geographic Location: United States
    Presents a mixed review of Seagate Storage Manager, NetWare Edition ($1,995 for single server, $3,595 for **multiple servers**), a **network backup** utility from Seagate **Software** Storage **Management** Group,

Naperville, IL (800). The program provides full **backup** and restore for NetWare 3.x and 4.x file servers, hierarchical storage management, and data archiving. It can back up PCs running any type of Windows, DOS, OS/2, and Unix as well as Macintoshes. Installing and configuring this program was not as easy as the other three reviewed. The program offers two tape rotation schemes to ensure that data is stored in several locations at once, but to create a custom backup job these schemes must be disabled, and the File Manager utility used to select each file to back up. This has the best tape-rotation feature of the four programs, but its performance is worse than average. (djd)

Descriptors: Backup; Utility Program; Software Review; Window Software; Local Area Networks; Network Management

Identifiers: Seagate Storage Manager, NetWare Edition; Seagate Software Storage Management Group

13/5/19   (Item 8 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00414937   96PK02-316
    Replica detoxes server disaster -- NetWare server backup fastest to date
    Phillips, Ken
    PC WEEK , February 26, 1996 , v13 n8 pN1, N17, N21, 3 Page(s)
    ISSN: 0740-1604
    Company Name: Stac Electronics
    Product Name: Replica
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): A
    Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows; NetWare
    Geographic Location: United States
    Presents a very favorable review of Replica v2.0 ($995 per server), a NetWare server program from Stac Inc. of San Diego, CA (800). Runs on IBM PC compatibles with Windows, and requires a NetWare 3.12 or 4.x server. Says that Replica offers a super-fast transfer rate and has the ability to completely restore a server from tape. Indicates that Replica supports many tape drives and autoloaders, and a single Replica host can remotely replicate as many as five NetWare servers, using an optional Multi-Server Agent. Reports that installation is simple; and notes that Replica can span large replications over multiple tapes, while its Disaster Recovery utility worked well. Also states that users can perform their own file restores with Replica, and can run executables directly from the tape. However, says Replica cannot back up networked clients. Awards Replica the Analyst's Choice designation. Includes one screen display. (jo)
    Descriptors: **Network Server ; Network Management ; Backup ; Software Review ;** Window Software; Disk Files
    Identifiers: Replica; Stac Electronics

13/5/20   (Item 9 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00397092   95PK09-015
    Assuring LANtegrity for NetWare 3.x, 4.1 -- Server stand-in keeps data available
    Katz, William F
    PC WEEK , September 4, 1995 , v12 n35 pN1, N9-N10, 3 Page(s)
    ISSN: 0740-1604

Company Name: Network Integrity
Product Name: LANtegrity for NetWare
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): B
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows;
DOS; NetWare
Geographic Location: United States
Presents a favorable review of LANtegrity for NetWare v3.2 ($4,950 for a
100-user license), server protection software from Network Integrity Inc.
(508). Runs on IBM PC compatibles with NetWare 3.x or 4.1, and DOS or
Windows. Explains that LANtegrity can perform as a stand-in for failed
NetWare servers, and it integrates what resembles hierarchical storage
management with a novel one-to-many approach to server redundancy. Reports
that LANtegrity offers a management console which makes excellent use of
the Windows Multiple Document Interface and has outstanding data security;
its tape library is well-managed; and it provides fast recovery from a
downed server. However, complains that LANtegrity's client and protocol
support are limited, and its hardware support is poor. Also notes that
certain types of files, such as database files that are never closed, will
fail to be protected. Includes two diagrams, one screen display, a buyer's
advisory, and a product scoreboard. (jo)
    Descriptors: **Network   Server** ; Security;   **Software** Review; Network
Management ;   Backup
    Identifiers: LANtegrity for NetWare; Network Integrity

13/5/21   (Item 10 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00396250   95PQ09-207
    Cheyenne HSM for NetWare
    Rigney, Steve
    PC Magazine-Network Edition , September 26, 1995 , v14 n16 pNE21-NE22, 2
Page(s)
    ISSN: 0888-8507
    Company Name: Cheyenne Software
    Product Name: Cheyenne HSM for NetWare
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): B
    Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
    Geographic Location: United States
    Presents a favorable review of Cheyenne HSM for NetWare 1.0 ($6,995), a
storage management program from Cheyenne Software Inc., Roslyn Heights, NY
(800, 516). The program is the first to take advantage of the hierarchical
storage management (HSM) services of NetWare 4.x. It uses watermarks and
retention rules to manage the migration of files. It can be used with a
single storage device or several storage tiers. The storage devices can be
attached to a single **server** or **several   servers** across a **network** .
The program does not include network **backup** software. The program has an
excellent interface and good reporting capabilities. Its Windows-based HSM
 Manager   , a utility **program** , can schedule file migrations based on a
range of criteria such as file type, last access date, and file attributes.
This program offers powerful features but it is among the most expensive
HSM products on the market. Includes two screen displays. (djd)
    Descriptors: Hierarchical Storage Management;   Information Storage;
Local Area Networks; Software Review; Window Software
    Identifiers: Cheyenne HSM for NetWare; Cheyenne Software

13/5/22   (Item 11 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00393778   95PK08-212
   **Guarding NetWare   data: two packages, one self-contained tackle
protection**
   katz, William F
   PC WEEK , August 21, 1995 , v12 n33 pN1, N8-N9+, 5 Page(s)
   ISSN: 0740-1604
   Company Name: Arcada Software; Intel Corp.; Palindrome
   Product Name: Backup Exec for NetWare, Enterprise Edition; Storage
Express; Palindrome Storage Manager
   Languages: English
   Document Type: Buyer and Vendor Guide
   Grade (of Product Reviewed): B; B; B
   Hardware/Software Compatibility: IBM PC Compatible; NetWare
   Geographic Location: United States
   Presents a buyers' guide to NetWare server backup programs. Features a
table rating the platform support, backup and restore functions, management
features, security capabilities, ease of use, and ease of installation of
three products from three companies: Backup Exec for NetWare, Enterprise
Edition v7.0 ($NA) from Arcada Software Inc. (800, 407) which provides the
best   coverage   available   for   networks with mixed platform clients;
StorageExpress   II   ($NA)   from Intel Corp. (800, 503) which is a
self-contained unit that provides event-driven backup; and Storage Manager
v4.0 ($NA) from Palindrome Corp. (800, 708) which ``is a natural choice for
pure NetWare 4.x environments.'' Includes three screen displays, three
sidebars, two tables, and a chart. (dpm)
   Descriptors: **Backup** ; Vendor Guide; **Software** Tools; Network
Management ; Local Area **Networks** ; **Network Server**
   Identifiers: Backup Exec for NetWare, Enterprise Edition; Storage
Express; Palindrome Storage Manager; Arcada Software; Intel Corp.;
 Palindrome

13/5/23   (Item 12 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00388221   95MA06-209
   **AppleShare 4.1 with WS 9150: a fast duo -- New version is speedier on
PowerMacs, but server software is still not native.**
   Bortman, Henry
   MacWEEK , June 19, 1995 , v9 n25 p41, 44-45, 3 Page(s)
   ISSN: 0892-8118
   Company Name: Apple Computer
   Product Name: Apple WS 9150/120 with AppleShare
   Languages: English
   Document Type: Hardware Review
   Grade (of Product Reviewed): B
   Geographic Location: United States
   Presents a favorable review of the WS 9150/120 with AppleShare v4.1
($8,709) from Apple Computer of Cupertino, CA (800, 408), a 120-MHz PowerPC
601 based workgroup server from Apple. Features 16MB RAM, two 1MB hard
drives, a quad speed CD-ROM drive, a DAT backup drive, and AppleShare v4.1.
It also comes with bundled software to take care of applications such as
RAID, calendar/contact managers, server **management** , drive **backups** , and
 software distribution. When benchmarked against **several** other **server**

combinations, it provided the fastest times. The server is also slightly
faster than a PowerMac 8100/110. Notes that server software is accelerated
by larger memory caches, and the software can also handle larger f sizes
for faster transfer. The WS 9150/120 with AppleShare v4.1 received a four
out of five rating. Includes three graphs of benchmark test results and a
product summary. (eqb)
    Descriptors: Network Server; Power Macintosh; Network Management;
  Bundled Software; CD-ROM Drive; Benchmark Testing; Hardware Review
    Identifiers: Apple WS 9150/120 with AppleShare; Apple Computer

13/5/24   (Item 13 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00387701   95PQ06-001
    Network backup: flexing your backup muscle
    Garris, John
    PC Magazine-Network Edition , June 13, 1995 , v14 n11 pNE1-NE19, 7
Page(s)
    ISSN: 0888-8507
    Company Name: Cheyenne Software; Legato Systems; Symantec; Sytron;
Palindrome
    Product Name: ARCserve for NetWare Windows Edition; Legato Networker
for NetWare; Norton Enterprise Backup, The; ProServe CX for NetWare;
 Storage Director
    Languages: English
    Document Type: Buyer and Vendor Guide
    Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
    Geographic Location: United States
    Introduces a buyer's guide to network backup programs, including
individual reviews of ARCserve for NetWare--Windows Edition v5.01 ($395 for
a five-user license) from Cheyenne Software Inc. of Roslyn Heights, NY
(800); Legato NetWorker for NetWare v3.1 ($1,500 for 100-user license) from
Legato Systems Inc. of Palo Alto, CA (415), awarded the PC Magazine Network
Edition Editors' Choice designation; and The Norton Enterprise Backup
($1,095 for one-server license) from Symantec Corp. of Cupertino, CA (800).
Provides a table summarizing 20 features of these programs in the areas of
general features, client backup platforms, backup, and restore; also
displays two graphs of single-server backup and multiple-system backup
benchmarks. Sidebars present capsule reviews of ProServe CX for NetWare
v2.0 ($499 for 10 clients) from Sytron Corp. (800), and a prerelease
version of Storage Director from Palindrome (800). Includes three sidebars,
four tables, and one screen display. (jo)
    Descriptors: **Backup** ; Networks; Vendor Guide; Window **Software** ;
  Network Management ; Client- **Server** Computing; **Software** Review
    Identifiers: ARCserve for NetWare Windows Edition; Legato Networker for
NetWare; Norton Enterprise Backup, The; ProServe CX for NetWare; Storage
Director; Cheyenne Software; Legato Systems; Symantec; Sytron;
 Palindrome

13/5/25   (Item 14 from file: 233)
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00357431   94MA08-211
    Automated backup software **offers centralized** control -- **Network
administrators have long sought ways to** back up **vital corporate data on
personal** computers **throughout a** network
    Cummings, Steve

MacWEEK , August 15, 1994 , v8 n33 p36-38, 2 Page(s)
ISSN: 0892-8118
Company Name: Dantz Development; Rexon; Cheyenne Software; Symantec;
Personal Computer Perpherals
Product Name: Retrospect Remote; Tecmar QTBackup; ARCserve; CP Backup
; NetStream
Languages: English
Document Type: Feature Articles and News
Geographic Location: United States
Discusses the needs of Macintosh network administrators for automated
centralized backup across networks. Differentiates between products that
``pull'' or ``push'' data around a network and names two products that use
the pull approach - gives the administrator complete control of the process
- and three products that use the push approach - each Mac initiates the
backup process, but can send data to any storage device on the network,
offering increased flexibility. Uses case studies to illustrate the
different backup approaches. Notes that backups can be automated, run in
foreground or background, or run during non-peak hours. Adds that most
software includes routines that establish and recognize authorization
codes, identify workstation attributes, and establish communications
between devices during automatic backup sequences. Includes a list of
related MacWeek articles and a list of vendor and product information.
(DJP)
Descriptors: Network Management; Backup; Networks; Macintosh; Case
Study
Identifiers: Retrospect Remote; Tecmar QTBackup; ARCserve; CP Backup;
NetStream; Dantz Development; Rexon; Cheyenne Software; Symantec;
Personal Computer Perpherals

13/5/26   (Item 15 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00348572   94LA05-108
Mountain simplifies backing up LANtastic networks
Arnett, Matthew F
LAN Times , May 23, 1994 , v11 n10 p80, 1 Page(s)
ISSN: 1040-5917
Company Name: Mountain Network Solutions
Product Name: FileSafe for Windows; SideCar II
Languages: English
Document Type: Hardware Review
Grade (of Product Reviewed): B; B
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows;
LANtastic
Geographic Location: United States
Presents a favorable review of FileSafe for Windows v 1.11 ($249),
system **backup** software and SideCar II ($475), tape **device** from Mountain
Network Solutions Inc. of Campbell, CA (800, 408). Requires LANtastic and
runs as a package. Says the installation, use, and management is simple,
and the **software manages backup** and restoration procedures
``flawlessly.'' However says FileSafe still needs work on its Windows
interface. Notes that the QIC format utilized is slow, cumbersome, and
expensive, but for smaller networks, this package could prove beneficial.
Rated four out of five overall. Includes on screen display of the software,
a photo of the hardware, and a product summary. (CH)
Descriptors: Backup; Software Review; Hardware Review; Utility
Program; Tape Drive; Window Software
Identifiers: FileSafe for Windows; SideCar II; Mountain Network
Solutions

13/5/27   (Item 16 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00310233   93PK04-321
   Conner aims new storage wares at corporate buyers
   Schroeder, Erica
   PC WEEK , April 26, 1993 , v10 n16 p43, 49, 2 Page(s)
   ISSN: 0740-1604
   Company Name: Conner Peripherals
   Product Name: Conner NetWorker; Conner 7L-DLT; Conner 12L-DAT; Backup
Exec for NetWare
   Languages: English
   Document Type: Product Announcement
   Geographic Location: United States
   Announces that Conner Peripherals Inc.'s Storage Systems Group of Lake
Mary, FL (800) has aimed these new backup and storage products towards the
end-user market: Conner NetWorker ($750/10 clients and one NetWare 3.11
server; $7500/250 clients and 26 NetWare 3.11 **servers**), high-end **network**
   backup and storage **management   software** licensed from Legato Systems
Inc.; the 7L-DLT ($18995) and 12-DAT ($12995), two autoloaders for digital
linear tape (DLT) and digital audio tape (DAT) media; and Backup Exec for
NetWare 3.11 ($599), a retail version of the MaynStream NetWare Loadable
Module (NLM) previously available bundled with Maynard Electronics Inc.
hardware. Says that Conner intends to upgrade the two software releases
mentioned above to support Novell Inc.'s NetWare 4.0 and Storage Management
Services. Examines distinctive features of each product. Includes a line
graph and a photo. (PAM)
   Descriptors: Information   Storage;   Backup;   Tape   Drive;   Product
Announcement; Consumer Information; Software; Hardware
   Identifiers: Conner NetWorker; Conner 7L-DLT; Conner 12L-DAT; Backup
Exec for NetWare; Conner Peripherals

   13/5/28   (Item 17 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00303214   93IW02-041
   **Sytron NLM provides automated net backup -- Sytos Preserver's GUI
interface enables one-step network backup**
   Wilson, Jayne
   InfoWorld , February 1, 1993 , v15 n5 p37, 1 Page(s)
   ISSN: 0199-6649
   Company Name: Styron
   Product Name: Sytos Preserver
   Languages: English
   Document Type: Product Announcement
   Hardware/Software Compatibility: IBM PC; IBM PC Compatible; NetWare
   Geographic Location: United States
   Reports that Sytron of Westboro, MA (508) will release in the second
quarter Sytos Preserver ($395, client license; $595, server license), a
NetWare Loadable Module for automating networkwide backup and restore for
PCs and servers. Runs on NetWare 3.1 LANs. Says that it can be administered
from any Windows or OS/2 PC; it provides server-based data storage
management; it simultaneously routes data from servers and PCs to all
available storage devices attached to the server with per-server backup
speeds of up to 40MB per minute; and its database capability lets the NLM
maintain knowledge of all the PCs, servers, files, tapes, and locations on

the network. (jb)
    Descriptors: **Backup ;   Networks ;   Server ;   Software ;   Management**
    Identifiers: Sytos Preserver;   Styron

 13/5/29   (Item 18 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00292294   92VB10-012
    Tape backup -- A guide to products
    Kay, Emily
    VARBusiness , October 21, 1992 , v8 n15 p95, 98, 100+, 5 Page(s)
    ISSN: 0894-5802
    Company   Name: Cheyenne   Software;   Dantz   Development;   Maynard
Electronics;   Palindrome;   Intel
    Product Name: StorageExpress
    Languages: English
    Document Type: Buyer and Vendor Guide
    Geographic Location: United States
    Presents   a   vendor   guide   devoted   to   backup   devices. Examines three
different   segments   of   the   PC   LAN   market   being   addressed   by **backup**
 software.   Describes solutions contributed from the leading players in the
 PC LAN network data **management   software** market – in order, Cheyenne
Software   Inc.of   Roslyn,   NY;   Dantz   Development   Corp.   of Berkeley, CA;
Maynard   Electronics   Inc.   of   Lake   Mary,   FL;   and   Palindrome   Corp. of
Napierville,   IL.   –   among   others.   Sidebar   spotlights   Intel   Corp.'s
StorageExpress   ($9995/EL   entry-level   system   with 200MB hard disk, 2.2GB
tape   drive   and   25MHz 486 processor) integrated hardware/software system;
discusses its features and capabilities. (PAM)
    Descriptors: Backup;   Hardware;   Software;   Vendor   Guide;   Consumer
Information
    Identifiers: StorageExpress;   Cheyenne   Software;   Dantz Development;
 Maynard Electronics; Palindrome; Intel

 13/5/30   (Item 19 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00279999   92LA06-309
    **TNA   offers   superior   data   protection,   frees   up   space   --   Product
comparison**
    Williams, Dennis
    LAN Times , June 22, 1992 , v9 n11 p61, 63, 2 Page(s)
    ISSN: 1040-5917
    Company Name: Palindrome
    Product Name: Network Archivist, The
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): b
    Geographic Location: United States
    Presents   a   favorable   review   of   The Network Archivist ($NA), network
backup   management   software from   Palindrome   Corp. Runs on a DOS
workstation   . Says The **Network** Archivist   offers   excellent   data
protection,   an online file history database, and automated tape scheduling
and   handling. Also says the product simplifies management of data storage
on the LAN and integrates the most important data storage management tasks
which include backing up, restoration, vault rotation, safe file migration,
and archiving. Includes a screen display. (tbc)

Descriptors: Backup; Software Review; Networks
Identifiers: Network Archivist, The; Palindrome

13/5/31   (Item 20 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00250119   91CR10-013
   **Explosive   growth   ahead for network data management Market to quadruple
in '91**
   Tito, Susan
   Computer Reseller News , October 7, 1991 , n441 p55, 57, 2 Pages
   ISSN: 0893-8377
   Company Name: Peripheral Strategies; Gallup Organization, The
   Languages: English
   Document Type: Feature Articles and News
   Geographic Location: United States
   Presents a survey conducted by Santa Barbara, CA-based researchers
Peripheral Strategies Inc. which revealed that worldwide revenue for
network-data-management software is expected to rise by more than 1000%
over the next five years from $21.2 million to $325.6 million. In a similar
vein, a Gallup Organization poll revealed that small-company networking
expenses shall rise to $158,000 this year from $153,000 the previous year.
Discusses a trend postulated by Peripheral Strategies president Michael
Peterson   away   from   single- user   **backup**   software   and   toward   more
network-aware   **software** and eventually data- **management** products backing
up   **multiple**   **servers** and clients within the network market. Describes
the three solutions that would gain dominance in the market at that time.
Includes a bar chart. (PAM)
   Descriptors: Survey; Trends; Networks; Software; Market
   Identifiers: Peripheral Strategies; Gallup Organization, The

13/5/32   (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)
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05176345
Info AG kooperiert mit Transpac, DBP Telekom und Teleport
  GERMANY - INFO IN COOPERATION AGREEMENTS IN 1991
Nachrichtentechnische Zeitschrift (NZ)   0 June 1992 p480
Language: German

Info Gesellschaft fuer Informationssysteme (Hamburg, Germany), involved in
development and service work for data processing, saw particular success in
1991 with **back - up   computer** systems, **network** services and **software**
 management , and **managed** to triple business volume in network services.
It signed a cooperation agreement with Transpac (Paris, France), which now
holds more than 30% of Info, and also reached a deal with DBP Telekom
according to which Info's network service has been licensed as a supplier
of mobile data communications in Germany. An agreement with Teleport Europe
(Germany) covered cooperation on satellite communications.**

COMPANY: INFO GESELLSCHAFT FUER INFORMATIONS; DBP TELEKOM; TRANSPAC;
TELEPORT EUROPE

PRODUCT: Cellular Radio Services (4811CR); Satellite Communications (4840
);
EVENT: NEW SERVICE DEVELOPMENT (36);

COUNTRY: Germany (4GER); OECD Europe (415); European Economic Community
     Countries (419); NATO Countries (420);

13/5/33   (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00118364   DOCUMENT TYPE: Review

PRODUCT NAMES: DiskXtender 4.1   (766976)

TITLE: Hierarchical Storage-Management Software
AUTHOR: Loyola, Roman
SOURCE: Windows NT Systems,   v3 n6 pS13(3) Jun 1999
ISSN: 1091-0212

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

OTG Software's DiskXtender 4.1, a hierarchical storage management package,
allows users to unobtrusively and easily migrate older files to archival
media. Three components are provided: DX Server, which manages and moves
files and is a server linked to storage devices; DX Agent, which is
installed on workstations and can be installed remotely; and DX
Administrator, the primary interface of the software. OTG recommends, but
does not require, a dedicated host adapter for each SCSI device. The
Administrator interface has a Windows Explorer metaphor, and provides a
tree-like diagram for administration with five primary branches (Extended
Drives, Media, hardware, Agents, and System Settings). The Agents tree
monitors activities on extended drives, and agents can also be removed from
the tree. System Setting options include alerts, hardware defaults, a queue
for media tasks, RPC settings, and task scheduling. The process of creating
an extended drive requires only a few minutes, using very helpful wizards.
Testers installed DiskXtender 4.1 on a network with an IBM 5500 Netfinity
server, and employed several tape libraries. When media and files were
organized and file locations selected, setting up the extended drive was
straightforward.

COMPANY NAME: LEGATO Systems Inc   (488666)
SPECIAL FEATURE: Charts
DESCRIPTORS: Archival Systems; IBM **PC** & Compatibles; **Network**
     Administration; Network **Software** ; Storage **Management** ; System
     Managed Storage; Tape **Backup** ; Windows NT/2000
REVISION DATE: 20021130

13/5/34   (Item 2 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00116978   DOCUMENT TYPE: Review

PRODUCT NAMES: NetworkIT Pro 1.0   (736236)

TITLE: Too Much, Too Soon: This scaled-down Unicenter component...
AUTHOR: Currier, Bob
SOURCE: Network World,   v16 n11 p53(1) Mar 15, 1999
ISSN: 0887-7661

HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: C

Computer Associates International's (CA's) NetworkIT Pro 1.0, a collection
of network management applications, includes advanced monitoring features,
programmable automated responses, and a shared SQL database. However, the
unbundled group of backup, security, and system management tools fails to
make it the streamlined product described by CA. The software surveys the
network through a 2D topology map, an object viewer application, and a
distributed state machine. A rich set of other utilities includes a good
RMON analysis package, with an object viewer that allows the user to choose
a Management Information Base (MIB) and to step through the MIB tree for
each device. A polling engine monitors bandwidth utilization and node
response time, in addition to application-specific specific information,
including end-to-end response times, delays, and traffic flow. Event
management abilities can take action when a problem arises, including poor
router performance. A process meter shows how subnets and other components
are located, but a significant drawback of the discovery process is the
requirement for multiple discoveries. The RMON analysis package is the
standout package included in NetworkIT Pro 1.0, but users are advised to
wait for a later release with better integration.

PRICE: $1989

COMPANY NAME: Computer Associates International Inc (081957)
SPECIAL FEATURE: Charts
DESCRIPTORS: **Backup** Utilities; Bandwidth Management; **Computer** Security
    ; LANs; **Network** Administration; Network **Management** ; Network
    Software ; System Monitoring
REVISION DATE: 20020630

13/5/35   (Item 3 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00114843   DOCUMENT TYPE: Review

**PRODUCT NAMES: Vault98 (739979); VERITAS NetBackup (738816); ViewPoint
(341967)**

TITLE: Managing data the easy way: Data management software, storage...
AUTHOR: Nobel, Carmen
SOURCE: PC Week,   v16 n9 p137(1) Mar 1, 1999
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

A number of data-management software packages and storage subsystems,
including Vault98 from CommVault Systems, ViewPoint from Datametrics, and
NetBackup from Veritas, are being teamed up to offer improved data
integration. Vault98 allows users to recover files and data lost or deleted
from storage subsystems directly, as well as merging online and offline
data into single file systems that are centrally manageable. NetBackup is
now certified to back up databases and restore lost or damaged data in
storage area networks (SANs), such as Dell Computer's PowerVault SAN

Bode Akintola   09-Jun-03

package. ViewPoint is a data management and analysis tool which Veritas
will license from Datametrics Systems; it allows users to look at system
performance on platforms including OpenVMS, UNIX, and Windows NT systems.

COMPANY NAME: CommVault Systems Inc   (659649); VERITAS Software Corp
     (459305); FORTEL Inc   (515094)
SPECIAL FEATURE: Graphs
DESCRIPTORS: **Backup** Utilities; Data Recovery; IBM **PC** & Compatibles;
    Network Administration; Network **Software** ; OpenVMS; Storage
    Management ; UNIX; Windows NT/2000
REVISION DATE: 20020630

 13/5/36   (Item 4 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00114116   DOCUMENT TYPE: Review

**PRODUCT NAMES: SmartMedia   (738808); VERITAS NetBackup   (738816); ADSTAR
Distributed Storage Manager   (578291)**

**TITLE: Getting Back to Backup: As the data glut grows and backup
windows...**
AUTHOR: Davis, Gode
SOURCE: SunExpert,   v9 n11 p64(13) Nov 1998
ISSN: 1053-9239
HOMEPAGE: http://www.cpg.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Storage management is becoming less complicated with products like Legato's
SmartMedia, Veritas' NetBackup and IBM's ADSTAR Distributed Storage Manager
(ADSM). Legato SmartMedia is a media management interface that is designed
to improve productivity in heterogeneous, distributed environments.
SmartMedia facilitates dynamic storage sharing, so servers can take
advantage of any available storage space, instead of traditional storage
sharing mechanisms where drives and storage space are dedicated to a
particular application. It can be installed as an add-on to Legato's
NetWorker solution. Several backup hardware vendors support SmartMedia.
Veritas' NetBackup offers a strong disaster recovery feature. Many other
disaster recovery facilities require reinstallation of the operating
system; Veritas allows the data that is backed up to be stored in a TAR
(Tape Archive) format, which is viable across all UNIX varieties. This
allows administrators to recover data directly from the tape, without
having to install the backup application software or obtain a special
license key. IBM's ADSM incorporates native intelligence, embedded directly
into the system. ADSM gives customers a single backup and recovery strategy
across all systems. One of its strongest features is that it uses
block-level increments to do backup. As a result, once a base backup has
been made, only new or changed files have to be backed up after that point.

COMPANY NAME: LEGATO Systems Inc   (488666); VERITAS Software Corp
     (459305); IBM Corp   (351245)
SPECIAL FEATURE: Charts Buyers Guides
DESCRIPTORS: **Backup** Utilities; Data Recovery; Disaster Planning &
    Recovery; **Network** Administration; **Network**   **Servers** ; **Network**
    Software ; Storage **Management** ; Sun; System Managed Storage; UNIX

13/5/37   (Item 5 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00112877   DOCUMENT TYPE: Review

**PRODUCT NAMES: ADSTAR Distributed Storage Manager Network Edition 3.1
(578291); NetWorker 5.1 Windows NT   (295647); VERITAS Backup Exec for
Windows Servers 7.0 Enterprise   (496201); TapeWare Universal Edition
(295884); UltraBac 5.0 Enterprise Edition   (577278)**

**TITLE: Enterprise Backup Applications Make Backing Up Not So Very Hard To
Do**
AUTHOR: Harvey, David A
SOURCE: Network Computing,   v9 n20   p106(10) Nov 1, 1998
ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Seven Windows NT enterprise backup applications are reviewed here,
including IBM's ADSTAR Distributed Storage Manager for Windows NT 3.1
Network Edition, Legato NetWorker for Windows NT Network Edition 5.1 from
Legato Systems, Seagate Backup Exec for Windows NT 7.0 Enterprise Edition
from Seagate, TapeWare Universal Edition from Technologies, and UltraBac
5.0 Enterprise Edition from BEI. ADSTAR Distributed Storage Manager is the
leading solution in this roundup, a sharp data management application that
handles disk, tape, and optical backup management with a well-designed and
consistent interface. Legato NetWorker uses advanced technology like
parallelism and multiplexing to greatly boost system speed for any NT
workstation in **networks** up to 100 users. Seagate **Backup** Exec is a
backup and restore **application** that centrally **manages** client/server
backups , as well as offering remote administration. TapeWare is great for
distributed computing environments and allows any PC user on a network to
host any backup device. UltraBac uses included custom tape drivers to speed
Windows NT performance.

COMPANY NAME: IBM Corp (351245); LEGATO Systems Inc (488666); VERITAS
     Software Corp (459305); Yosemite Technologies   (644234); UltraBac
     Software (410136)
SPECIAL FEATURE: Buyers Guides Screen Layouts
DESCRIPTORS: Backup Utilities; Disk Backup; IBM PC & Compatibles; Network
     Administration; Network Software; Tape Backup; Windows NT/2000
REVISION DATE: 20030327

13/5/38   (Item 6 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00112810   DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows NT   (347973)

TITLE: Calling for NT Backup

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Backup of Microsoft's Microsoft Windows NT is getting significant
attention, and new vendors are entering the market to provide new
capabilities that were formerly only available in the mainframe
environment. Tools are available that provide improved support for
distributed system backup, better manageability, and support for
intelligent storage methods, including hierarchical storage management. The
NT market could also support evolving technologies, including storage-area
networks, before support for them is available for the mainframe market.
Windows NT backup is generally used in two intersecting markets: the group
of enterprise customers down-scaling for ease of use and lower costs; and
the group of up-scaling users, who first used Windows 3.x. Successful
hardware vendors in the NT market will want to balance support for the two
markets, says a product manager for IBM's storage systems division.
Updating occurs in the entire Intel world, among users of NetWare, NT, and
all early PC platforms. Vendors point out that mainframe backup has
influenced NT backup technology and that there are also basic differences
between the two technologies. Windows NT environment backup still requires
a flexible set of administration policies and many fewer dedicated
resources, when compared with mainframe backup. Topics covered include the
difficulty of finding a total NT backup solution; storage area networks;
hierarchical storage management; and guidelines for NT administrators.

COMPANY NAME: Microsoft Corp (112127)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: **Backup** Utilities; Disk **Backup** ; IBM **PC** & Compatibles;
    Network Administration; Network **Software** ; **Software** Marketing;
    System **Managed** Storage; Windows NT/2000
REVISION DATE: 20020630

 13/5/39   (Item 7 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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·00112799   DOCUMENT TYPE: Review

**PRODUCT NAMES: Borland InterBase   (015023); Lotus Notes   (550418);
Microsoft SQL Server 7   (259748); Oracle Lite 3.5   (496065)**

TITLE: Remote Data Ties
AUTHOR: Waltner, Charles

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

InterBase Software's InterBase, Lotus Development's Lotus Notes,
Microsoft's Microsoft SQL Server 7, and Oracle's Oracle Lite 3.5 are
highlighted in a discussion of companies' use of extensible databases that

allow collection and management of important administrative information
from various, geographically separated locations. The connections are
enabled without using frame relay or other WAN connections to link to a
headquarters database. For instance, one company uses the InterBase
no-administration database to run a standalone application at each office
for tracking employee payrolls, issuing invoices, and doing other
back-office tasks. Each day, data is sent via modem to the InterBase
database that runs the back-office management application. The client and
main database exchange information, and all key management data is
automatically centralized; all new data needed by the branch office is also
sent from headquarters to the branch. Unlike such applications as Notes,
which uses a flat-file data sharing architecture, this example of a new
type of remote database uses the core engine that drives large RDBMSs.
Therefore, elaborate reports can be generated, and more advanced analyses
can be done. Up until recently only Sybase, with Adaptive Server Anywhere,
provided such a database. However, in the last year, Microsoft, Oracle,
InterBase, and Cloudscape all entered the market.

COMPANY NAME: Borland Software Corp   (347141); Lotus Software Group
     (254975); Microsoft Corp   (112127); Oracle Corp   (010740)
SPECIAL FEATURE: Charts
DESCRIPTORS: Database **Management** ; Information **Retrieval** ; Network
     Software ; Notes/Domino; Oracle; Remote **Network** Access; SQL **Server** ;
     WANs
REVISION DATE: 20030527

 13/5/40   (Item 8 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00109936   DOCUMENT TYPE: Review   `

PRODUCT NAMES: ASIC-300 Software Windows NT & Windows CE   (714399)

**TITLE: ASAP updates control software with support for distributed
objects...**
AUTHOR: Labs, Wayne
SOURCE: I&CS,   v71 n5   p96(1) May 1998
ISSN: 1074-2328
HOMEPAGE: http://www.icsmagazine.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

ASAP's ASIC-300 Software and run-time engine works with both Windows NT and
Windows CE. It supports scaleable, distributed control based on DCOM, OLE
automation, and ActiveX controls. It is highly scaleable, and its real-time
control engines can run on a variety of hardware, including embedded,
diskless single-board computers. The **software** deploys reusable **control**
objects, including IEC **programs** , function blocks, I/O configurations, and
entire **network** **nodes** . Users enjoy drag-and-drop editing of these
objects. Development and monitoring of the **control** **programs** along with
security and **backup** procedures are all done in a central Windows NT
database. It is a collection of ActiveX components, an architecture that
permits users to combine ASIC-300 components with other Windows
applications such as Microsoft Excel or Access. This ability makes it easy
to create custom solutions easily, and the architecture can save a great
deal of time and money for building new or expanding existing control

systems. The ASIC-300 product family has five types of network nodes. Two
development and information nodes include the ASIC-Workstation and
ASIC-Access; others include the ASIC-RTE embedded run-time engine for
real-time operating systems, ASIC-CE embedded run-time engine for Windows
CE, and the ASIC-NT integrated development and control for a Windows NT
workstation.

COMPANY NAME: Xycom Automation Inc   (520756)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: ActiveX; CAD; CAD CAM; CAE; Circuit Design; Distributed
    Objects; Electrical Engineering; Embedded Systems; IBM PC & Compatibles
    ; Real Time Data Acquisition; Windows CE; Windows NT/2000
REVISION DATE: 20010830

13/5/41   (Item 9 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00106996   DOCUMENT TYPE: Review

PRODUCT NAMES: Replica Sequoia Technology for Desktop Backup   (698989)

TITLE: Desktop Backups Grow Well On Stac's Sequoia
AUTHOR: Milne, Jay
SOURCE: Network Computing,   v9 n3 p48(1) Mar 15, 1998
ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Replica Sequoia Technology for Desktop Backup from Stac does not have many
of the features one would expect of an enterprise solution. There are no
integrated facilities for archiving data to tape or other media. A separate
product has to be purchased for archiving and off-site storage. Sequoia
only supports NT servers and Windows clients. It does not support NetWare
servers. Its servers are not integrated. Sequoia cannot communicate among
various Sequoia servers to provide redundancy or load balancing. As a
result, Sequoia provides a single-point of failure for the Sequoia server
and little protection for client data. To make things even more vulnerable,
the Sequoia server backs up only workstations, not servers. Sequoia uses
the server's hard disk as a data repository. Three compression facilities
are offered to enable fast, efficient backups. The product is easy-to-use
and requires no administrator intervention. It can accommodate scheduled
backups. Sequoia tracks individual file backups and lets the user recover
any version of a file. The Microsoft Management Console will ship with
Sequoia. This means that it will have a standardized interface and launch
site for management applications.

COMPANY NAME: Previo (505811)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: **Backup** Utilities; Disk **Backup** ; IBM **PC** & Compatibles;
    LANs; **Network** Administration; Network **Software** ; System **Managed**
    Storage; Windows; Windows NT/2000
REVISION DATE: 20020630

13/5/42   (Item 10 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00102576   DOCUMENT TYPE: Review

PRODUCT NAMES: LabExpert 2.0 Windows 95 & NT   (665967)

TITLE: Continually Teach Your Systems Well
AUTHOR: Dohs, Greg
SOURCE: PC Week,   v14 n29   p97(2) Jul 7, 1997
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

KeyLabs' LabExpert 2.0, an automatic system image-copy utility, gets good
marks overall, but usability is only average because the initial setup is
complicated and tedious, and the server-based methodology can be rigid. In
addition, documentation is unclear and seems unfinished. LabExpert 2.0
operates by partitioning a client's local hard drive; it takes over and
replaces code in the computer's master boot record in a system partition.
If LabExpert 2.0 is used in a corporation where testing and training are
major endeavors, and when reinstalling and changing the operating system on
a full network of uniform clients could be a daily effort, it can be a
valuable tool. During tests with LabExpert, testers could remotely reboot
one or more computers on a test network and restore a drive image to them
in just minutes. LabExpert is of value in a corporate lab or classroom
system where many workstations need frequent reconfiguration. However, in a
common office environment where each PC has different data, LabExpert is a
bad choice. For such an environment, Innovate Software's Ghost is a better,
more flexible choice. LabExpert Control Console, which is used to direct
other tools in the LabExpert suite, can be run on any Windows 95 or Windows
NT PC.

PRICE: $1804

COMPANY NAME: Altiris   (646784)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: **Backup** Utilities; Configuration Management; Disk **Backup ;**
    IBM **PC** & Compatibles; **Network** Administration; Network **Software ;**
    Network Utilities; Storage **Management** ; System Utilities; Windows;
    Windows NT/2000
REVISION DATE: 20030130

 13/5/43   (Item 11 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00102346   DOCUMENT TYPE: Review

**PRODUCT NAMES: Norton Ghost 3.1a   (668302); ImageBlaster Pro 2.1   (668311)
; ImageMaster 200P 1.1   (668338)**

TITLE: Ghost beats out rivals for disk replication options
AUTHOR: Avery, Mike
SOURCE: InfoWorld,   v19 n37 p62D(2) Sep 15, 1997
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Innovative Software's Ghost 3.1a, KeyLabs' ImageBlaster Pro 2.1, and
Intelligent Computer Solutions' (ICS') ImageMaster 200P 1.11 are reviewed
system installation toolsets. Ghost 3.1a gets very good marks overall. It
handled disk problems that stymied the other two products, and provides the
highest compression ration of the three. Server storage space needed is
minimized for storing disk images, and the vendor provides excellent advice
from its World Wide Web site. However, performance could be better.
ImageBlaster Pro 2.1 is also rated very good. It can upgrade many nodes
without a significant performance hit because broadcast technology is used.
The software can also copy all of some partitions on a hard disk. However,
the disk copy process was halted by minor disk problems, and the software's
performance is not as good as ImageMaster's. ImageMaster does not increase
network traffic, and performed fastest of the three. However, it works only
with IDE drives, and it is fussy with drive problems. A master disk is
required for duplication, and restoration of configuration requires an
override code. Ghost and ImageBlaster Pro are similar DOS programs. To use
them, users have to reboot the PC on a DOS diskette.

COMPANY NAME: Symantec Corp   (386251); Altiris   (646784); Intelligent
    Computer Solutions (ICS)   (632881)
SPECIAL FEATURE: Tables Charts Screen Layouts
DESCRIPTORS: Configuration Management; Disk **Backup** ; DOS; IBM **PC** &
    Compatibles; **Network** Administration; Network **Software** ; Storage
    Management ; System Utilities; Windows
REVISION DATE: 20030130

13/5/44   (Item 12 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00100079   DOCUMENT TYPE: Review

PRODUCT NAMES: Wolfpack Windows NT   (609889)

TITLE: On the Prowl with Wolfpack
AUTHOR: Brieva, Art
SOURCE: Windows Magazine,   v8 n5   pNT33(5) May 1997
ISSN: 1060-1066
HOMEPAGE: http://www.winmag.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Microsoft's Microsoft Wolfpack clustering software for Windows NT should
increase NT's reliability and scalability, and could decimate the high-end
UNIX market in the process. Wolfpack, a set of software applications and
application programming interfaces (APIs) that allow users to cluster
(interlink) two NT servers, switches users and applications over to the
backup   secondary   server if the **first   server** fails. Users can also
manage   applications on clustered servers. In 1998, Wolfpack will gain
application load-balancing and will support larger clusters that link four
or more NT servers. Wolfpack allows users to cluster differently configured
NT servers from more than one vendor, according to Microsoft. During tests
on two Tandem S100 series servers, each with a 200MHz Pentium Pro Processor
and 32MB RAM, Wolfpack used resources (physical or logical entities) and

groups to manage applications that might fail. All resources are placed in
groups, and one resource can have dependencies on others. Cluster
Administrator is a configuration tool that allows users to work from NT's
Administrative Tools group. Three views ease administration. The first
provides a view of every group and resource in a cluster. Users can also
view each node, group, and resource, and groups and resources are broken
out into two folders to display the resources controlled by each server.

COMPANY NAME: Microsoft Corp   (112127)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: Fault Tolerance; IBM PC & Compatibles; Internetworking; Load
    Balancing; Network Servers; Network Software; Windows NT/2000
REVISION DATE: 20010730

13/5/45   (Item 13 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00099990   DOCUMENT TYPE: Review

**PRODUCT NAMES: Norton Administrator Suite--Premier Edition   (635812);
Seagate Desktop Management Suite   (596272)**

**TITLE: Managers for Mixed Networks: Suites from Symantec and Seagate are
p..**
AUTHOR: Gallagher, Sean
SOURCE: Information Week,   v609 p53(5) Dec 9, 1996
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

A comparison of Symantec's now Hewlett-Packard's Norton Administrator Suite
- Premier Edition (NAS/PE) and Seagate's Seagate Desktop Management Suite
(DMS) reveals DMS to be much easier to use and manage than NAS. Although
its functions were somewhat fewer, its integration with other management
tools makes it a better choice for administrators attempting to create a
comprehensive network management solution. NAS provides better
administrative control over users' desktop configurations, and its combined
software metering and configuration provide abundant power for tight
control. NAS is easy enough to implement over heterogeneous, connected
network operating systems (NOSs), while DMS has good storage management and
disaster recovery for servers and clients. DMS also integrates with
Microsoft's Microsoft Systems Management Server and Novell's ManageWise.
However, DMS, which has a slow installation process, also provides no
remote control support for Windows NT, and server management tools must be
separately purchased. NAS also has no remote control support for Windows
NT, and incomplete support for NetWare 4.11 servers. In addition, software
metering is not fully automated. Only NAS integrates with NDS for user and
group lists, provides a scripting tool, and **manages** Windows **program**
groups. Only DMS provides automatic generation of install packages based on
PC installation, NetWare and NT **server   backup** , and **network** client
remote **backup** for storage management.

COMPANY NAME: Hewlett-Packard Co (692484); VERITAS Software Corp
    (459305)
SPECIAL FEATURE: Buyers Guides Screen Layouts
DESCRIPTORS: IBM PC & Compatibles; Internetworking; LANs; NetWare; Network

Administration; Network Management; Network Software; System Monitoring
; Windows NT/2000
REVISION DATE: 20020630

13/5/46   (Item 14 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00099909   DOCUMENT TYPE: Review

**PRODUCT NAMES: Microsoft Windows NT Server 4.0   (442674); Microsoft
Systems Management Server 1.2 (455652); CD-Express Connect (626244);
Norton Network Series (596086); LANdesk (499811)**

TITLE: Three's a Party for Windows NT
AUTHOR: Wong, William
SOURCE: LAN Magazine,   v12 n2 pS42(4) Feb 1997
ISSN: 1069-5621

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Some gaps in Microsoft's Microsoft Windows NT Server 4.0 can be filled by
Micro Design's CD-Express Connect, Microsoft's Microsoft Systems Management
Server (SMS) 1.2, Symantec's Norton Network Series, and Intel's LANdesk.
Four areas need to be addressed with third-party vendors' products: network
management, backup and storage, remote control, and e-mail. For network
management, Windows NT can be enhanced by meeting workstation needs,
including software distribution. Users can also better manage an NT server
remotely with remote control software. Backup and storage can be beefed up
with advanced backup features and hierarchical storage management. E-mail
provided is basic and works well for small workgroups, but does not provide
industrial-strength support needed by many larger organizations. Tools
available to enhance Windows NT 4.0 include CD Express Connect, a
LAN-linked CD-ROM server that integrates with a Windows NT Server
environment to offload CD access from the file, print, and application
server. SMS provides hardware/software inventory, software distribution,
and software license metering. Norton Network Series includes several
products, including Norton Administrator Suite and Expose. It provides
similar features to SMS', and runs on multiple platforms. LANdesk needs a
NetWare server as its central site, but operates similarly to SMS. Backup
and storage products that support real-time database services are
highlighted, including Arcada's Backup Exec for Windows NT and Cheyenne's
Arcserve for Windows NT.

COMPANY NAME: Microsoft Corp (112127); Micro Design International Inc
    (382558); Symantec Corp (386251); LANDesk Software Inc (737607)
SPECIAL FEATURE: Screen Layouts Tables
DESCRIPTORS: **Backup** Utilities; E-Mail Utilities; IBM **PC** & Compatibles;
    LANs; **Network** Administration; **Network   Servers** ; **Network
    Software** ; **Network** Utilities; Remote **Control** ; Technical Support;
    Windows NT/2000
REVISION DATE: 20030428

13/5/47   (Item 15 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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Bode Akintola   09-Jun-03

00095490   DOCUMENT TYPE: Review

PRODUCT NAMES: ARCserve   (200638)

TITLE: Backup for (Almost) Any Network
AUTHOR: Wong, William
SOURCE: LAN Magazine,   v11 n9   p132(4) Sep 1996
ISSN: 1069-5621

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Cheyenne Software's ARCserve, a client/server backup solution, can run on
multiple client and server platforms. It supports a variety of storage
devices, including tape drives, autoloaders, and tape RAID systems.
ARCserve is based on a three-tier client/server architecture, with the tape
server sitting between the manager and agents. The tape server sits on a
network file **server** with SCSI tape drives and is responsible for
actually reading and writing to the tapes. The ARCserve **manager   program**
presents the user interface, and can be used to schedule **backups** and
restores. The agent software is responsible for sending information to the
tape server, and formats the information that is sent to the administrator.
The agent can also back up a Windows workstation to a NetWare tape server,
and then restore it to a Windows client attached to a Windows NT tape
server.

COMPANY NAME: ACCPAC International Inc   (649775)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: Backup Utilities; Client/server; Disk Backup; IBM PC &
    Compatibles; Integration Software; LANs; NetWare; Network
    Administration; Network Software; Tape Backup; Windows; Windows NT/2000
REVISION DATE: 20020630

 13/5/48   (Item 16 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00092855   DOCUMENT TYPE: Review

**PRODUCT NAMES: IBM infoSage   (618373); IBM infoMarket   (602035); HeadsUp
(303232); NewsPage   (581666); Mercury Center Webhound   (627321)**

TITLE: Text Retrieval Dreams: A Report from the Cutting Edge of Info...
AUTHOR: Hauser, Rick
SOURCE: CD-ROM Professional,   v9 n6   p52(7) Jun 1996
ISSN: 1049-0833

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

IBM infoMarket Services's IBM infoSage and infoMarket, Individual's First!
now HeadsUp and NewsPage, and Mercury Center's Webhound are examples of new
automated delivery services that provide users with tailored news and
information via the desktop computer. The tools follow many earlier methods
designed to provide easy-to-use, quick, accurate access to electronic
information databases. Corporations using text **retrieval** tools should

select tools that incorporate **software** or **software** **agents** that search various corporate data types concurrently, while searching **multiple** **servers** in parallel. Data types that should be supported include Hypertext Markup Language (HTML), e-mail, word processors' documents, Sybase databases, and many other tools. Fulcrum Technologies' SearchServer 3.0 is currently the best technology available for this purpose. The future of text retrieval systems is discussed, and the following topics are covered: text retrieval tenets for the corporate user, trends, vendors, and startups and their activities.

COMPANY NAME: Powerize.com (639494); NewsEdge Corp (478954); San Jose Mercury News (577502)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: Alerts; Content Providers; Information Retrieval; Internet Utilities; News Services
REVISION DATE: 20020730

13/5/49   (Item 17 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00085259   DOCUMENT TYPE: Review

PRODUCT NAMES: SystemView OS/2   (302449)

TITLE: OS/2 System View has its limits
AUTHOR: Dryden, Patrick
SOURCE: Computerworld,   v29 n49 p53(2) Dec 4, 1995
ISSN: 0010-4841
HOMEPAGE: http://www.computerworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

IBM's SystemView for OS/2 was demonstrated at a recent Comdex expo, and analysts agree that the product is most attractive to current IBM shops. It provides a group of programs for desktop and server management, as well as management modules for Windows desktops and NetWare servers. The product was delivered on time, but does not contain all the SystemView management functions promised. Missing are comprehensive tool and vendor support; a universal interface; NetView for OS/2 integration; integrated Adstar backup and restore modules; integrated virus scanning; a peer link to other SystemView platforms; software distribution for the enterprise; and appeal to multivendor users. IBM plans another release in 1996 to fill in the gaps. An analyst recommends the addition of proxy agents to workgroups and servers and management from the AIX version, which has many more tools than the OS/2 version.

COMPANY NAME: IBM Corp (351245)
SPECIAL FEATURE: Charts
DESCRIPTORS: Computer Viruses; Data Center Operations; Disk **Backup** ; File Security; IBM **PC** & Compatibles; **Network** Administration; Network **Management** ; Network **Software** ; OS/2; System Monitoring
REVISION DATE: 20020819

13/5/50   (Item 18 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00082660   DOCUMENT TYPE: Review

PRODUCT NAMES: VERITAS Backup Exec for Windows Servers NetWare 7   (496201)

TITLE: Arcada broadens scope of NetWare backup software
AUTHOR: Dornbusch, Margaret
SOURCE: Network World,   v12 n31 p25(2) Jul 31, 1995
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Arcada Software's Backup Exec for NetWare 7 backup software now runs faster
over enterprise networks and works with SNMP platforms. Arcada has added
several new features, making it possible to configure backups across
multiprotocol networks. The software includes an NLM that runs on the
primary server, and agents that run on **several** different **workstations**
and **secondary** **servers** . **Backups** can be managed from the server or from
a workstation. Managers will be able to oversee **backups** from a central
location, since the **software** 's **management** console is now able to send
alerts to any SNMP-compliant console. The Enterprise AgentView feature lets
managers view the Backup Exec agents, regardless of location. The Agent
Accelerator NLM, which resides on remote servers, compresses data before
sending it over the net to save on bandwidth and increase the speed of the
backup operation.

PRICE: $1395

COMPANY NAME: VERITAS Software Corp   (459305)
DESCRIPTORS: Backup Utilities; Disk Backup; LANs; NetWare; Network
    Administration; Network Software; Network Utilities
REVISION DATE: 20030327

 13/5/51   (Item 19 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

00074495   DOCUMENT TYPE: Review

PRODUCT NAMES: Backup Director 4.0   (481823)

TITLE: Palindrome Adds More Than Window Dressings
AUTHOR: Carr, Eric
SOURCE: Network Computing,   v6 n2 p50(2) Feb 1, 1995
ISSN: 1046-4468
HOMEPAGE: http://www.NetworkComputing.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Backup Director 4.0 from Palindrome is a recently released version of
Network Archivist. The biggest difference in these **network** **backup**
devices is the Windows interface. The new product is also easier to use.
NetWare Queue services allows creating, scheduling, executing, and tracking

backup jobs. The **Control** Console **application** allows **management** of
multiple installations, and can manage any Palindrome installation
throughout the network. The better features of Network Archivist remain,
such as the tape rotation capacity, and the use of Novell's Storage
Management Services as the underlying transport.

PRICE: $995

COMPANY NAME: VERITAS Software Corp   (459305)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Backup Utilities; Disk Backup; IBM PC & Compatibles; LANs;
    NetWare; Network Administration; Network Software; Network Utilities;
    Tape Backup; Windows
REVISION DATE: 20020630

13/5/52   (Item 20 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00066834   DOCUMENT TYPE: Review

**PRODUCT NAMES: Avail NetSpace   (505111); Palindrome HSM   (519944); Network
Archivist   (238431)**

TITLE: HSM Systems Take the Heat Off Primary Storage
AUTHOR: Phillips, Ken
SOURCE: PC Week,   v11 n33   pN/1(2) Aug 22, 1994
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Hierarchical storage management (HSM) helps save on storage costs by
off-loading little-used files to secondary storage media. Avail Systems's
NetSpace system requires a dedicated server, and uses a traditional
approach with tiers of chronological storage. Palindrome's strategy, on the
other hand, integrates HSM with backup technology. Palindrome's HSM
Software option for its Network Archivist backup software focuses on
freeing a set amount of disk space, instead of migrating files through
chronological tiers of storage. Network Archivist, when backing up, will
flag eligible files, and HSM triggers a migration when volume reaches a
certain level.

COMPANY NAME: Wang Software Storage Management Group   (578649); Seagate
    Technology Inc   (530549)
SPECIAL FEATURE: Charts
DESCRIPTORS: Archival Systems; Disk **Backup** ; IBM **PC** & Compatibles;
    Network Administration; Network **Software** ; Network Utilities; Storage
    Management ; System Managed Storage
REVISION DATE: 20020630

13/5/53   (Item 21 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00065347   DOCUMENT TYPE: Review

PRODUCT NAMES: ARCserve   (200638)

TITLE: Backup Relief for NetWare LANs
AUTHOR: Nutter, Ronald
SOURCE: Network World,   v11 n17 p45(3) Apr 25, 1994
ISSN: 0887-7661
HOMEPAGE: http://www.nwfusion.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

ARCserve, a LAN backup system, works very well for large NetWare sites with
various client platforms attached. The product includes support for DOS,
OS/2, and Windows clients. Also available are add-on modules that support
Mac and several UNIX client systems. NetWare 3.x or 4.x with 4MB TO 8MB
memory is required. ARCserve provides full, incremental, and differential
backups. Differential backup copies all files that were modified since the
last backup, but no archive attribute reset occurs. Incremental backups do
reset the archive attribute for modified, backed-up files. Users can also
back up to more than one tape drive, a nice feature for the network
manager. The Microsoft Windows **control   program** , ARCserve **Manager** , is
an easy to use mouse-driven GUI that allows users to **back   up** a **server**
on the **first** try.

PRICE: $1695

COMPANY NAME: ACCPAC International Inc (649775)
SPECIAL FEATURE: Charts
DESCRIPTORS: Backup Utilities; Disk Backup; DOS; IBM PC & Compatibles;
    LANs; NetWare; Network Administration; Network Software; Network
    Utilities; OS/2; Windows
REVISION DATE: 20020930

15/5/15   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012399175   **Image available**
WPI Acc No: 1999-205282/199917
Related WPI Acc No: 1999-145003
XRPX Acc No: N99-151172
  Data back-up and recovery system for tape storage
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: BATHIE J; CRIGHTON I P; GOLD S; KING P
Number of Countries: 020 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9912098	A1	19990311	WO 98GB2603	A	19980828	199917	B
EP 1008048	A1	20000614	EP 98940428	A	19980828	200033	
			WO 98GB2603	A	19980828		
EP 1008048	B1	20011031	EP 98940428	A	19980828	200169	
			WO 98GB2603	A	19980828		
DE 69802294	E	20011206	DE 602294	A	19980828	200203	
			EP 98940428	A	19980828		
			WO 98GB2603	A	19980828		

Priority Applications (No Type Date): EP 97306629 A 19970829; EP 97306628 A
  19970829
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9912098	A1	E	34	G06F-011/14	

    Designated States (National): JP US
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

Patent No	Kind	Lan		Main IPC	Filing Notes
EP 1008048	A1	E		G06F-011/14	Based on patent WO 9912098

    Designated States (Regional): DE FR GB

Patent No	Kind	Lan		Main IPC	Filing Notes
EP 1008048	B1	E		G06F-011/14	Based on patent WO 9912098

    Designated States (Regional): DE FR GB

Patent No	Kind			Main IPC	Filing Notes
DE 69802294	E			G06F-011/14	Based on patent EP 1008048
					Based on patent WO 9912098

Abstract (Basic): WO 9912098 A1
      NOVELTY - In a network environment (200), **multiple** clients (210)
and **multiple servers** (230) are connected via a local area network
(LAN) (220) to a tape **back-up** apparatus (240). Each client (210)
and each server is provided with back-up **agent software** (215),
which schedules back-up operations on the basis of time since the last
back-up, or the amount of information generated since the last back-up.
An agent (215a) also sends a request to the tape back-up apparatus
prior to the actual back-up, including information representing the
files that it intends to back up.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for; a
method for backing up to a data back-up and restore apparatus attached
to a network; a data storage system; and a data back-up and restore
apparatus.
      USE - Data back-up and recovery in tape storage system in computer
networks.
      ADVANTAGE - Clients do not need to send redundant files for
back-up.
      DESCRIPTION OF DRAWING(S) - The drawing shows a diagram of a
computer network modified in accordance with the invention.
      Client machines (210a-210n)
      Back-up agents (215)

                      Bode Akintola   09-Jun-03

Local area network (220)
Multiple servers (230)
Tape back-up apparatus (240)
On-line media (244)
pp; 34 DwgNo 2/9
Title Terms: DATA; BACK; UP; RECOVER; SYSTEM; TAPE; STORAGE
Derwent Class: T01; U21
International Patent Class (Main): **G06F-011/14**
File Segment: EPI

15/5/16   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012089218   **Image available**
WPI Acc No: 1998-506129/199843
XRPX Acc No: N98-394584
  Hardware module for software protection in computer network - has
  processing device which is addressed by microprocessor to process user
  limit code stored in memory and actual user number under processing
  software
Patent Assignee: MARX P W (MARX-I)
Inventor: MARX P W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 5805802   A   19980908 US 95490330   A   19950614 199843 B

Priority Applications (No Type Date): DE 94U20092 U 19941215
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5805802   A   12 G06F-011/00

Abstract (Basic): US 5805802 A
     The module (1) has a microprocessor (2) which performs access
  control to **software** by any of **multiple** work stations (7). The
  microprocessor is connected to a **network** **server** (5) via a parallel
  interface (4) such as a printer interface.
     A programmable memory (3) which is addressed by the microprocessor,
  stores user limit code `Xlimit'. A processing device processes user
  limit code and actual user number under a processing software, by
  addressing from the microprocessor.
     ADVANTAGE - Prevents unauthorized over usage of licensed software.
     Dwg.1/4
Title Terms: HARDWARE; MODULE; SOFTWARE; PROTECT; COMPUTER; NETWORK;
  PROCESS; DEVICE; ADDRESS; MICROPROCESSOR; PROCESS; USER; LIMIT; CODE;
  STORAGE; MEMORY; ACTUAL; USER; NUMBER; PROCESS; SOFTWARE
Derwent Class: T01; W01
International Patent Class (Main): **G06F-011/00**
International Patent Class (Additional): H04K-001/00; H04L-009/00
File Segment: EPI

15/5/17   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011986376   **Image available**
WPI Acc No: 1998-403286/199835

XRPX Acc No: N98-314272
   Abnormality detector of microcomputer - judges control program execution
   which is not performed normally, when count value of counter is not equal
   to predetermined value
Patent Assignee: NISSAN MOTOR CO LTD (NSMO); UNISIA JECS CORP (NIEJ)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10161909	A	19980619	JP 96318013	A	19961128	199835	B

Priority Applications (No Type Date): JP 96318013 A 19961128
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10161909	A		5	G06F-011/30	

Abstract (Basic): JP 10161909 A
      The detector includes a **program** counter that counts number of
   processes that are executed. A **CPU** (1b) executes **multiple** processes
   corresponding to a **control**   **program** in a predetermined order. An
   abnormality judgment unit judges that the execution of the **control**
   program is not performed normally, when the count of the program
   counter is not equal to the predetermined number of processes.
      ADVANTAGE - Performs highly accurate and reliable abnormality
   detection.
      Dwg.1/2
Title Terms: ABNORMAL; DETECT; MICROCOMPUTER; JUDGEMENT; CONTROL; PROGRAM;
   EXECUTE; PERFORMANCE; NORMAL; COUNT; VALUE; COUNTER; EQUAL; PREDETERMINED
   ; VALUE
Derwent Class: Q17; T01; T06
International Patent Class (Main): **G06F-011/30**
International Patent Class (Additional): B60R-016/02; G05B-023/02
File Segment: EPI; EngPI

 15/5/18   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011931819   **Image available**
WPI Acc No: 1998-348729/199830
XRPX Acc No: N98-272124
   Workstation-based distributed process control system including several
   drops at distributed locations - uses real time, bumpless transfer of
   control between running and backup workstations to achieve full process
   control system redundancy
Patent Assignee: CBS CORP (COBR); WESTINGHOUSE ELECTRIC CORP (WESE);
   WESTINGHOUSE PROCESS CONTROL INC (WESE)
Inventor: EDBLAD W A; YEAGER R L
Number of Countries: 004 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9826337	A1	19980618	WO 97US22443	A	19971210	199830	B
TW 362193	A	19990621	TW 97118457	A	19971208	200028	
CN 1246183	A	20000301	CN 97180598	A	19971210	200029	
US 6070250	A	20000530	US 96766017	A	19961213	200033	
JP 2001517337	W	20011002	WO 97US22443	A	19971210	200172	
			JP 98526848	A	19971210		

Priority Applications (No Type Date): US 96766017 A 19961213
Patent Details:

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Patent No  Kind Lan Pg   Main IPC    Filing Notes
WO 9826337     A1 E  23 G05B-019/042
   Designated States (National): CN JP
TW 362193      A       G06F-009/06
CN 1246183     A       G05B-019/042
US 6070250     A       G06F-011/00
JP 2001517337 W      28 G05B-019/04   Based on patent WO 9826337
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Abstract (Basic): WO 9826337 A

     The distributed process control system drop includes a first workstation or personal computer running industrial continuous process control software on an open architecture operating system. The first workstation is operable to analyse input information provided from the industrial process according to a predetermined set of rules and generates output information provided to the industrial process to control its operation.

     A second workstation or personal computer connected with the **first workstation** via a non vendor-specific international standards-based data highway normally runs in a **backup** mode and also runs the industrial process **control** **software** on an open architecture system to perform the same analysis as the **first** **workstation** and generate **backup** output information. A monitoring function associated with the second work station detects a failure in the **first** **workstation** and transfers **control** of the industrial process to the second workstation upon first workstation failure.

     ADVANTAGE - Eliminates need for additional hardware and associated propriety software.

     Dwg.2/2

Title Terms: BASED; DISTRIBUTE; PROCESS; CONTROL; SYSTEM; DROP; DISTRIBUTE; LOCATE; REAL; TIME; BUMP; TRANSFER; CONTROL; RUN; ACHIEVE; FULL; PROCESS; CONTROL; SYSTEM; REDUNDANT

Derwent Class: T01; T06

International Patent Class (Main): G05B-019/04; G05B-019/042; G06F-009/06; **G06F-011/00**

File Segment: EPI

15/5/19   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011728859   **Image available**
WPI Acc No: 1998-145769/199813
XRPX Acc No: N98-115298
Method of simulating execution of computer program to detect error - by maintaining first structural memory model for function over first control flow path and manipulating first structural memory model to simulate execution of first sequence of statements
Patent Assignee: INTRINSA CORP (INTR-N)
Inventor: BUSH W R; MAJORS-DEGNAN D; PINCUS J D; SIELAFF D J; WILBUR R E
Number of Countries: 077 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9806019	A2	19980212	WO 97US14051	A	19970806	199813	B
AU 9740589	A	19980225	AU 9740589	A	19970806	199829	
JP 2002515996	W	20020528	WO 97US14051	A	19970806	200238	
			JP 98508255	A	19970806		

Priority Applications (No Type Date): US 96694770 A 19960807
Patent Details:

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Patent No  Kind Lan Pg   Main IPC     Filing Notes
WO 9806019     A2 E 287 G06F-000/00
    Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
    CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU
    LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
    UG UZ VN YU ZW
    Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT
    KE LS LU MC MW NL OA PT SD SE SZ UG ZW
AU 9740589     A        G06F-011/00   Based on patent WO 9806019
JP 2002515996 W     244 G06F-011/28   Based on patent WO 9806019
```

Abstract (Basic): WO 9806019 A
        The method involves **retrieving** a representation of the **computer
    program** . A **first   control** flow path is traversed through the
    function. The first **control** flow path includes a first sequence of
    the statements. The traversing involves maintaining a first structural
    memory model for the function over the first control flow path. The
    first structural memory model is manipulated to simulate execution of
    the first sequence of the statements.
        An invalid condition is detected in the first structural memory
    model and the invalid condition is reported in the first structural
    memory model. All the functions defined are identified by the computer
    program and a list of the functions defined by the computer program are
    ordered based on a function call ordering. An analysis of the computer
    program are scheduled based upon the ordered list of functions defined
    by the computer program.
        Dwg.2/37
Title Terms: METHOD; SIMULATE; EXECUTE; COMPUTER; PROGRAM; DETECT; ERROR;
  MAINTAIN; FIRST; STRUCTURE; MEMORY; MODEL; FUNCTION; FIRST; CONTROL; FLOW
  ; PATH; MANIPULATE; FIRST; STRUCTURE; MEMORY; MODEL; SIMULATE; EXECUTE;
  FIRST; SEQUENCE; STATEMENT
Derwent Class: T01
International Patent Class (Main): G06F-000/00; **G06F-011/00** ; **G06F-011/28**

International Patent Class (Additional): G06F-013/00
File Segment: EPI

 15/5/20   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011140736   **Image available**
WPI Acc No: 1997-118660/199711
XRPX Acc No: N97-097803
  **Hardware architecture of test device for testing electronics system - has
  programmable processing device that uses first communications interface
  device to communicate test commands and test results with another testing
  device**
Patent Assignee: MARTIN MARIETTA CORP (MARM)
Inventor: LOFGREN J D; THORNE J A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5600788	A	19970204	US 94182835	A	19940119	199711	B

Priority Applications (No Type Date): US 94182835 A 19940119
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5600788	A		12	G06F-011/26	

                        Bode Akintola   09-Jun-03

Abstract (Basic): US 5600788 A
        The device a board test interface device for coupling to test
    points on a circuit board. A programmable processing device is coupled
    to the board test interface device to **control** a test of the circuit
    board via the board test interface **device** . A **first** communications
    interface **device** is coupled to the **programmable** processing device,
    for multi- master coupling to a **first** communications interface
    device located on **another** testing device. The **programmable**
    processing **device** uses the **first** communications interface **device**
    to communicate test commands and test results with the **another**
    testing device. The testing device is fabricated as an integrated
    circuit.
        ADVANTAGE - Permits test logic and fault log associated with each
    circuit board to be tested. Permits test results from different circuit
    board to be collected and analysed by one processor.
        Dwg.1/3
Title Terms: HARDWARE; ARCHITECTURE; TEST; DEVICE; TEST; ELECTRONIC; SYSTEM
    ; PROGRAM; PROCESS; DEVICE; FIRST; COMMUNICATE; INTERFACE; DEVICE;
    COMMUNICATE; TEST; COMMAND; TEST; RESULT; TEST; DEVICE
Derwent Class: T01
International Patent Class (Main): **G06F-011/26**
File Segment: EPI

 15/5/21   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010681721   **Image available**
WPI Acc No: 1996-178676/199618
XRPX Acc No: N96-150186
  **Micro-programmed control device - has triggers to set working state
  according to input control signals and uses memory unit to record output
  control codes for actuating mechanism**
Patent Assignee: AS UKR CYBERNETICS INST (AUCY)
Inventor: DASHKIEV G N; KURGAEV A F
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
RU 2042190   C1   19950820 SU 5013605   A   19911008 199618 B

Priority Applications (No Type Date): SU 5013605 A 19911008
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
RU 2042190   C1   13 G06F-009/22

Abstract (Basic): RU 2042190 C
        A micro- **programmed   control   device** contains 6 **multiplexers ,**
    3 mode triggers (7-9), 3 counters, 2 registers, 2 memory units and a
    micro- **programmed** internal **control** automatic device and forms a
    sequence of output **control** codes on each code of input information.
        In a control mode, the device identifies and records a fault state
    of control and the device exchanges information with an external level
    control device and controls an actuating mechanism.
        USE/ADVANTAGE - Control of electronic computers. Better functional
    capability of recording state during fault. BUL 23/20.08.95
        Dwg.1/6
Title Terms: MICRO; PROGRAM; CONTROL; DEVICE; TRIGGER; SET; WORK; STATE;
    ACCORD; INPUT; CONTROL; SIGNAL; MEMORY; UNIT; RECORD; OUTPUT; CONTROL;

CODE; ACTUATE; MECHANISM
Derwent Class: T01
International Patent Class (Main): G06F-009/22
International Patent Class (Additional): **G06F-011/00**
File Segment: EPI

15/5/22   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010580313   **Image available**
WPI Acc No: 1996-077266/199608
XRPX Acc No: N96-064310
  **Computer network data server with event driven sampling - applies request
  for data to data engine which launches probe via network transport to
  cause data to be collected on remote platform and returned via network
  transport**
Patent Assignee: CANDLE DISTRIBUTED SOLUTIONS INC (CAND-N)
Inventor: YUNG A; GREENBLATT S
Number of Countries: 063 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9600419	A1	19960104	WO 95US8857	A	19950623	199608	B
AU 9531282	A	19960119	AU 9531282	A	19950623	199616	
US 5615359	A	19970325	US 94264403	A	19940623	199718	
US 5809238	A	19980915	US 94264403	A	19940623	199844	
			US 95494831	A	19950623		

Priority Applications (No Type Date): US 94264403 A 19940623; US 95494831 A
  19950623
Cited Patents: 3.Jnl.Ref; EP 259224; JP 2232763; US 5109486
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9600419	A1	E	42	G06F-011/34	

    Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE
    ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ
    PL PT RO RU SD SE SG SI SK TJ TT UA UG UZ VN
    Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC
    MW NL OA PT SD SE SZ UG

AU 9531282	A			G06F-011/34	Based on patent WO 9600419
US 5615359	A		11	G06F-017/30	
US 5809238	A			G06F-013/00	Cont of application US 94264403
					Cont of patent US 5615359

Abstract (Basic): WO 9600419 A
    The computer network (10) includes one or more user applications
  (U1..Un), a number of computer platforms (P1..Pn), and a transport
  network (12) interconnecting the computer platforms. A data management
  engine (26,41) on one of the computer platforms responds to a request
  for data from the user application. At least one data probe (16,18)
  responds to the data engine to cause the collection of requested data
  from the appropriate computer platform and the return of the collected
  data, in the form of one or more rows of columnar data, to the
  requesting user application.
    The data probe data further includes a unit associated with the
  computer platform (P1..Pn) from which the data is to be collected such
  that operations of the data collection from the platform is transparent
  to the user **application** , and user **applications** compatible with the
  data **management** engine, are used to transparently **retrieve** data

                        Bode Akintola   09-Jun-03

from heterogeneous computer platforms across the **computer network** .
USE/ADVANTAGE - Collecting and managing data for monitoring
performance of computer networks, e.g relational databases including
those using SQL engines.
Dwg.1/6
Title Terms: COMPUTER; NETWORK; DATA; SERVE; EVENT; DRIVE; SAMPLE; APPLY;
REQUEST; DATA; DATA; ENGINE; LAUNCH; PROBE; NETWORK; TRANSPORT; CAUSE;
DATA; COLLECT; REMOTE; PLATFORM; RETURN; NETWORK; TRANSPORT
Derwent Class: T01
International Patent Class (Main): **G06F-011/34** ; G06F-013/00; G06F-017/30
File Segment: EPI

15/5/23   (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010292980   **Image available**
WPI Acc No: 1995-194240/199525
XRPX Acc No: N95-152440
  Computer network with data back-up and restore system - has back - up
  and restore software **modules including** back - up **engine including**
  generic remote file system and agents **for loading on** computer
  network
Patent Assignee: ARCADA SOFTWARE (ARCA-N); SEAGATE TECHNOLOGY INC (SEAG-N)
Inventor: DEVOS S R; FLETCHER D J
Number of Countries: 020 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9513580	A1	19950518	WO 94US12915	A	19941109	199525	B
EP 728333	A1	19960828	WO 94US12915	A	19941109	199639	
			EP 95901193	A	19941109		
JP 9509768	W	19970930	WO 94US12915	A	19941109	199749	
			JP 95513981	A	19941109		
US 6038379	A	20000314	US 93150488	A	19931109	200020	
			US 95541954	A	19951011		

Priority Applications (No Type Date): US 93150488 A 19931109; US 95541954 A
  19951011
Cited Patents: 1.Jnl.Ref; US 5005122; US 5133065
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9513580	A1	E	62	G06F-011/14	

    Designated States (National): CA CN JP
    Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
    PT SE

US 6038379	A			G06F-013/00	Cont of application US 93150488
EP 728333	A1	E	1	G06F-011/14	Based on patent WO 9513580

    Designated States (Regional): DE FR GB IT NL

JP 9509768	W		70	G06F-012/00	Based on patent WO 9513580

Abstract (Basic): WO 9513580 A
      The **computer network** includes a number of workstations running
  disparate operating systems and a file server having a tape driver for
  back - up and restore of data on the **network** . The file **server** runs
  generic remote file system (GRFS) and workstations run GRFS **agent**
  programs which allow the GRFS file system to access data within a
  workstation having a given GRFS **agent**0 program.
      The GRFS file system interfaces with each GRFS agent program via a
  command/response paradigm, with the messages being structured to

support the disparate operating systems for back-up and restore, to
allow data to be interchanged between the disparate operating systems,
and to allow multiple users of the network to request simultaneously
back-up and restore.
    USE/ADVANTAGE - Protecting data through back-up and restore
operations using restore software processed on computer network.
Enables computer network to be expanded to support computers running
major operating systems e.g DOS, Windows, OS/2, UNIX and Macintosh.
    Dwg.2/5
Title Terms: COMPUTER; NETWORK; DATA; BACK; UP; RESTORATION; SYSTEM; BACK;
  UP; RESTORATION; SOFTWARE; MODULE; BACK; UP; ENGINE; REMOTE; FILE; SYSTEM
  ; AGENT; LOAD; COMPUTER; NETWORK
Derwent Class: T01
International Patent Class (Main): **G06F-011/14** ; G06F-012/00; G06F-013/00
International Patent Class (Additional): G06F-012/16; G06F-015/00;
  H04L-012/28
File Segment: EPI

 15/5/24   (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010175329   **Image available**
WPI Acc No: 1995-076582/199511
Related WPI Acc No: 1992-399183
XRPX Acc No: N95-060826
  **Pin multiplexing for programming and testing IC's - has IC with in system
  programming and boundary scan testing ability sharing same pins with one
  dedicated pin to select mode of operation**
Patent Assignee: LATTICE SEMICONDUCTOR CORP (LATT-N)
Inventor: CHAN A L; SHANKAR K; SHEN J; TSUI C Y
Number of Countries: 005 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 639006	A1	19950215	EP 94202212	A	19940728	199511	B
US 5412260	A	19950502	US 91695356	A	19910503	199523	
			US 93106263	A	19930813		
JP 7175677	A	19950714	JP 94211922	A	19940812	199537	

Priority Applications (No Type Date): US 93106263 A 19930813; US 91695356 A
  19910503
Cited Patents: US 5237218; WO 9220157
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 639006	A1	E	16	H03K-019/173	
Designated States (Regional): DE GB IT					
US 5412260	A		13	H03K-019/003	CIP of application US 91695356
					CIP of patent US 5237218
JP 7175677	A		14	G06F-011/22	

Abstract (Basic): EP 639006 A
    The high density programmable logic device includes both boundary
scan testing and in-system programming facilities. The device uses five
pins to perform either function. One pin (1) is used to select whether
programming or testing is to be performed. The other four pins have
different uses in each mode.
    Within the **device** an input **multiplexer** (12) decodes the three
common input pins (2-4) depending upon the **control** pin (ISPEN). The
output (5) is decoded (14) by **another** **multiplexer** . The **device** has

two state machines which **control programming** (16) or boundary scan testing (18).
   ADVANTAGE - Economises on the number of pins required to perform both programming and testing functions.
   Dwg.4/6
Title Terms: PIN; MULTIPLEX; PROGRAM; TEST; IC; IC; SYSTEM; PROGRAM; BOUNDARY; SCAN; TEST; ABILITY; SHARE; PIN; ONE; DEDICATE; PIN; SELECT; MODE; OPERATE
Derwent Class: S01; U11; U13; U21
International Patent Class (Main): **G06F-011/22** ; H03K-019/003; H03K-019/173
International Patent Class (Additional): G01R-031/28
File Segment: EPI

 15/5/25   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

009924186   **Image available**
WPI Acc No: 1994-191897/199423
XRPX Acc No: N94-150993
   High speed microcomputer in-circuit emulator for development and debugging of hardware and software - extracts program reconstruction from on-board cache memory, with external ICE enclosure interfaced to target system microprocessor via cable and buffer-interface unit
Patent Assignee: STEP ENG (STEP-N)
Inventor: HUA V T; KRESGE R J; MINAMI G A; PHILLIPS M D; VERHAEGH C; WILBURN D L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5321828	A	19940614	US 91712917	A	19910607	199423	B

Priority Applications (No Type Date): US 91712917 A 19910607
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5321828	A		50	G06F-011/30	

Abstract (Basic): US 5321828 A
   The in-circuit emulator (ICE) for connection with a target system has an umbilical device for connecting the target system to a microprocessor. A low level control interface has a device for accessing and modifying a target system memory, and displays and modifies a set of target system processor registers. A device provides hardware and **software** breakpoints to the target system, and a **device** single and **multiple** steps the target system. A disassembler disassembles machine code into assembly code resident in a set of memory locations. The **control** interface is connected to the umbilical device.
   A clock device triggers a circuit analyser w.r.t. comparisons between user-defined external bits and trace signals derived from the target system, and is connected with the umbilical device. An in-line assembler/disassembler is coupled to the target system memory for examining and changing memory locations in the target system through the use of mnemonics communicated to a user such that a program machine code can be patched and tested, and the readability of program memory by a user is improved.
   ADVANTAGE - Maintains good transmission line characteristics. Provides accurate trace and disassembly of target processor

instructions. Operable at speeds above 33 MHz.
        Dwg.9/11
Title Terms: HIGH; SPEED; MICROCOMPUTER; CIRCUIT; EMULATION; DEVELOP; DEBUG
    ; HARDWARE; SOFTWARE; EXTRACT; PROGRAM; RECONSTRUCT; BOARD; CACHE; MEMORY
    ; EXTERNAL; ICE; ENCLOSE; INTERFACE; TARGET; SYSTEM; MICROPROCESSOR;
    CABLE; BUFFER; INTERFACE; UNIT
Derwent Class: T01
International Patent Class (Main): **G06F-011/30**
File Segment: EPI

 15/5/26   (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009889233   **Image available**
WPI Acc No: 1994-169149/199421
Related WPI Acc No: 1995-164150
XRPX Acc No: N94-133182
   Programmable logic array with spare circuits for replacement of defects -
   has spare logic group to replace defective regular logic group in
   integrated circuit
Patent Assignee: ALTERA CORP (ALTE-N)
Inventor: CLIFF R G; RAMAN R; REDDY S T
Number of Countries: 006 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 598495	A2	19940525	EP 93308365	A	19931020	199421	B
JP 6216757	A	19940805	JP 93290920	A	19931119	199436	
US 5434514	A	19950718	US 92979003	A	19921119	199534	
US 5485102	A	19960116	US 92979003	A	19921119	199609	
			US 95416296	A	19950404		
EP 598495	A3	19950531				199610	
US 5498975	A	19960312	US 92979003	A	19921119	199616	
			US 93147601	A	19931104		
EP 598495	B1	19981216	EP 93308365	A	19931020	199903	
DE 69322608	E	19990128	DE 622608	A	19931020	199910	
			EP 93308365	A	19931020		

Priority Applications (No Type Date): US 92979003 A 19921119; US 95416296 A
   19950404; US 93147601 A 19931104
Cited Patents: No-SR.Pub; EP 351983; EP 361404; EP 437081; EP 596453
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 598495	A2	E	12	G06F-011/20	
Designated States (Regional): DE FR GB IT					
JP 6216757	A		10	H03K-019/173	
US 5434514	A		9	G06F-011/20	
US 5485102	A		11	H03K-019/177	Cont of application US 92979003
					Cont of patent US 5434514
US 5498975	A		11	H03K-019/177	Cont of application US 92979003
					Cont of patent US 5434514
EP 598495	B1	E		G06F-011/20	
Designated States (Regional): DE FR GB IT					
DE 69322608	E			G06F-011/20	Based on patent EP 598495
EP 598495	A3			G06F-011/20	

Abstract (Basic): EP 598495 A
        The programmable, IC, logic array comprises a number of regular
    logic gps. including a spare logic group, a register and a number of
    switches. The regular logic gps. have a number of programming signal

input terminals, data input terminals and data output terminals. The
register stores programming input signals to be applied to the
programming signal input terminals.

Programming input signals, stored in the register, are applied to
the programming signal input terminals of either all of the regular
logic gps. or, the spare logic gp. and a subset of the regular logic
gps. by selecting one or more of the switches. The spare logic gp.
takes the place of a regular logic gp. which is not included in the
subset.

ADVANTAGE - Overhead associated with controlling use of spare
circuits can be reduced so that larger or more severe defects can be
effectively overcome.

Dwg.3/3

Title Terms: PROGRAM; LOGIC; ARRAY; SPARE; CIRCUIT; REPLACE; DEFECT; SPARE;
  LOGIC; GROUP; REPLACE; DEFECT; REGULAR; LOGIC; GROUP; INTEGRATE; CIRCUIT
Derwent Class: T01; U13; U21
International Patent Class (Main): **G06F-011/20** ; H03K-019/173;
  H03K-019/177
International Patent Class (Additional): H01L-021/82
File Segment: EPI

15/5/27   (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009150282   **Image available**
WPI Acc No: 1992-277720/199234
XRPX Acc No: N92-212406
  **Operation availability method for computer programs - recovering software
  from failure and reprocessing or rejecting stimulus such that result is
  available to system user within specified stimulus response time**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: SMITH D M
Number of Countries: 005 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 481231	A	19920422				199234	B
CA 2053344	A	19920418	CA 2053344	A	19911011	199234	
US 5129080	A	19920707	US 90599178	A	19901017	199234	
CA 2053344	C	19940329	CA 2053344	A	19911011	199418	
EP 481231	B1	19971126	EP 91115808	A	19910918	199801	
DE 69128271	E	19980108	DE 628271	A	19910918	199807	
			EP 91115808	A	19910918		

Priority Applications (No Type Date): US 90599178 A 19901017
Cited Patents: No-SR.Pub
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 481231	A		13		
US 5129080	A		12	G06F-011/20	
EP 481231	B1	E	15	G06F-011/00	

   Designated States (Regional): DE FR GB

DE 69128271	E			G06F-011/00	Based on patent EP 481231
CA 2053344	A			G06F-009/00	
CA 2053344	C			G06F-009/00	

Abstract (Basic): EP 481231 A
     The method involves dividing a computer program into a number of
functional modules, and loading a copy of a functional module into a
processor's address space, and locating a second copy of the functional

module into a second processor's address space. The processor executes
the first module to send application dependent state data to the second
processor where it is received by the second module copy.
        The processor executes the first module maintaining a normal
application processing state. The second processor executes the second
module, maintaining a secondary state knowledge sufficient to enable it
to become a primary functioning module. Both processors, while
executing their modules, maintain open sessions with a number of
servers connected within the network. On demand the second functional
module assumes the role of the first.
        ADVANTAGE - Recovery from failure of either software or hardware
occurs before failure becomes operationally visible.
        Dwg.1/3
Title Terms: OPERATE; AVAILABLE; METHOD; COMPUTER; PROGRAM; RECOVER;
   SOFTWARE; FAIL; REPROCESSING; REJECT; STIMULUS; RESULT; AVAILABLE; SYSTEM
   ; USER; SPECIFIED; STIMULUS; RESPOND; TIME
Derwent Class: T01
International Patent Class (Main): G06F-009/00; **G06F-011/00** ; **G06F-011/20**

International Patent Class (Additional): **G06F-011/14**
File Segment: EPI

 15/5/28   (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

008838053   **Image available**
WPI Acc No: 1991-342069/199147
XRPX Acc No: N91-261928
   Access rights management **to** multiple programs **on** computer
   **work-station - uses working key and back-up key modules produced from
   original key and if working key fails allows back-up key to produce
   short-term key**
Patent Assignee: AEG SCHNEIDER AUTOMATION (AEGE); TELEMECANIQUE (MCQN)
Inventor: BARILLIER G; GARDAIRE G; JARAUDIAS P; TOURNIER Y
Number of Countries: 009 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 457677	A	19911121	EP 91401253	A	19910515	199147	B
FR 2662280	A	19911122				199206	
CA 2042550	A	19911117				199207	

Priority Applications (No Type Date): FR 906113 A 19900516
Cited Patents: EP 201628; EP 268139
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 457677	A				

   Designated States (Regional): BE DE ES GB IT NL SE

Abstract (Basic): EP 457677 A
        The access controller operates on a computer work station with the
   access rights supplied initially in an original key module (CO) which
   cooperates with the work station to allow continued use of the
   programs.
        The original key module is used for creation (1) of a working key
   (CT) and a back-up key (CB), using the original key module and an empty
   key module (CVa). If the working key fails, the back-up key is used to
   produce a time-limited emergency key on an empty module, and is itself
   inhibited.
        USE/ADVANTAGE - Avoids fraudulent return of hardware keys that are

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claimed to have failed, preventing illicit use of computer programs.
        Dwg.1/3
Title Terms: ACCESS; MANAGEMENT; MULTIPLE; PROGRAM; COMPUTER; WORK; STATION
  ; WORK; KEY; BACK; UP; KEY; MODULE; PRODUCE; ORIGINAL; KEY; WORK; KEY;
  FAIL; ALLOW; BACK; UP; KEY; PRODUCE; SHORT; TERM; KEY
Derwent Class: T01
International Patent Class (Additional): G06F-001/00; G06F-009/44;
  G06F-011/30
File Segment: EPI

  15/5/29   (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

007535337   **Image available**
WPI Acc No: 1988-169269/198825
XRPX Acc No: N88-129449
  **3-Computer hierarchical multi-program digital data processing system -
  has one computer assisting another to access redundant connections in
  circuits of third computer**
Patent Assignee: AMDAHL CORP (AMDA)
Inventor: BLAU R; WILSON C J
Number of Countries: 004 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 271986	A	19880622	EP 87309698	A	19871103	198825	B
EP 271986	B1	19940928	EP 87309698	A	19871103	199437	
DE 3750608	G	19941103	DE 3750608	A	19871103	199443	
			EP 87309698	A	19871103		

Priority Applications (No Type Date): US 86944549 A 19861219
Cited Patents: A3...9020; EP 157036; EP 31501; No-SR.Pub; US 3623011; US
  3786430; US 4244019
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 271986	A	E	29		

    Designated States (Regional): DE FR GB IT

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 271986	B1	E	33	G06F-011/16	

    Designated States (Regional): DE FR GB IT

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3750608	G			G06F-011/16	Based on patent EP 271986

Abstract (Basic): EP 271986 A
      The data processing system includes a computer (26), a conventional
  large-scale processor to execute an instruction stream (**programme**) by
   multiple chip carrier blocks (60) with **redundantly** connected data
  inputs and outputs independently accessible under the **control** of the
  second   computer (27). This executes independently a second
  instruction stream whose main purpose is to monitor, **control** and
  diagnose operation of the first computer (26).
      Errors in the core unit (58) of the second computer are monitored
  by the third computer which provides a large subset of service
  processor functions including reset, microcode loading and
  verification, scanned-out latch value and service processor RAM
  display/alteration, clock control and error monitoring under the
  control of a third stream of macro instructions.
      ADVANTAGE - Overall system efficiency and reliability are improved.
      2/5
Title Terms: COMPUTER; HIERARCHY; MULTI; PROGRAM; DIGITAL; DATA; PROCESS;
  SYSTEM; ONE; COMPUTER; ASSIST; ACCESS; REDUNDANT; CONNECT; CIRCUIT; THIRD

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; COMPUTER
Derwent Class: T01; T06
International Patent Class (Main): **G06F-011/16**
International Patent Class (Additional): **G06F-011/30**
File Segment: EPI

 15/5/30   (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

004750062
WPI Acc No: 1986-253403/198639
XRPX Acc No: N86-189505
  Semiconductor IC device with redundant portions - provides identification
  signal indicative of whether or not device has repaired or replaced
  portion
Patent Assignee: NEC CORP (NIDE)
Inventor: WATANABE T
Number of Countries: 004   Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 195412	A	19860924	EP 86103658	A	19860318	198639	B
US 4731759	A	19880315	US 86840826	A	19860318	198814	
EP 195412	B1	19940824	EP 86103658	A	19860318	199433	
DE 3650034	G	19940929	DE 3650034	A	19860318	199438	
			EP 86103658	A	19860318		

Priority Applications (No Type Date): JP 8553651 A 19850318
Cited Patents: 1.Jnl.Ref; A3...8903; EP 52481; EP 86310; JP 59129999;
  No-SR.Pub; JP 5912999
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 195412	A	F	7		
Designated States (Regional): DE FR GB					
EP 195412	B1	E	9	G06F-011/20	
Designated States (Regional): DE FR GB					
DE 3650034	G			G06F-011/20	Based on patent EP 195412

Abstract (Basic): EP 195412 A
     The device includes two voltage terminals for receiving respective
  potentials and a control terminal for receiving a control signal (CS)
  having two logic levels. A functional circuit is operable with the two
  potentials and is enabled when the control signal is at a first logic
  level. A redundant circuit is provided to be used to repair a defective
  portion, if present, in the functional circuit.
     A switching device (QP2) is provided to assure a conductive state
  only in response to the first legic level, and a programmable switching
  device (QN3) is provided to assure one of conductive and non-conductive
  states only when the redundant circuit is used to repair the functional
  circuit. The two switching devices are connected in series between the
  two voltage terminals.
     ADVANTAGE - Operates without special voltage outside normal
  operating voltage range. (7pp Dwg.No.2/5)
Title Terms: SEMICONDUCTOR; IC; DEVICE; REDUNDANT; PORTION; IDENTIFY;
  SIGNAL; INDICATE; DEVICE; REPAIR; REPLACE; PORTION
Index Terms/Additional Words: INTEGRATE; CIRCUIT
Derwent Class: U14
International Patent Class (Main): **G06F-011/20**
International Patent Class (Additional): G11C-007/00
File Segment: EPI

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15/5/31   (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004708845
WPI Acc No: 1986-212187/198632
XRPX Acc No: N86-158485
   Memory device package for system microcomputer development - has two
   modes multiplexed for piggyback and evaluator type operations
Patent Assignee: SONY CORP (SONY)
Inventor: WATANABE N
Number of Countries: 009 Number of Patents: 013
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8604433	A	19860731	WO 86JP22	A	19860122	198632	B
AU 8653903	A	19860813				198644	
NL 8620022	A	19861201				198652	
EP 210277	A	19870204	EP 86900844	A	19860122	198705	
DE 3690031	T	19870312	DE 3690031	A	19860122	198711	
GB 2183065	A	19870528	GB 862267	A	19860122	198721	
GB 2183065	B	19880914	GB 8622674	A	19860122	198837	
US 5021996	A	19910604	US 89370063	A	19890621	199125	
EP 210277	B1	19930331	EP 86900844	A	19860122	199313	
			WO 86JP22	A	19860122		
EP 210277	A4	19890308	EP 86900844	A	19860122	199348	
DE 3690031	C2	19940929	DE 3690031	A	19860122	199437	
			WO 86JP22	A	19860122		
KR 9404331	B1	19940519	WO 86JP22	A	19860122	199608	
			KR 86700641	A	19860916		
NL 193331	B	19990201	NL 8620022	A	19860122	199910	
			WO 86JP22	A	19860122		

Priority Applications (No Type Date): JP 859769 A 19850122
Cited Patents: JP 55112746; JP 59004051; JP 59206968; JP 60011941;
   1.Jnl.Ref; FR 2418496; FR 2498782; JP 57072362; JP 80112746
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8604433	A	J	13		

   Designated States (National): AT AU DE GB KR NL US
   Designated States (Regional): FR IT

EP 210277	A	E			

   Designated States (Regional): FR IT

US 5021996	A		6		
EP 210277	B1	E	9	G06F-011/00	Based on patent WO 8604433

   Designated States (Regional): FR IT

DE 3690031	C2		6	G06F-011/26	Based on patent WO 8604433
NL 193331	B			G06F-011/22	Based on patent WO 8604433
KR 9404331	B1			G06F-011/22	

Abstract (Basic): WO 8604433 A
     The device comprises a final product board (5) and a package (10)
   with terminals (12), and can be used in two ways. In the first
   operation of the piggyback type, a rewritable read only memory ERROM
   (11) is connected to the terminals for inspecting the program. In the
   second operation of the evaluator type, a flat cable (9) from an
   inspection device (8) is connected to the terminals.
     Switching between the two operations is via a **multiplexer** . When a
   terminal receives a signal '0', **multiplexed   terminals** are used to
   input data from the ROM (11) and to output **programme** address. When

the signal is '1' the terminals are used to transmit **control** clocks
and to input and output data.
        USE/ADVANTAGE - Shortens development time and reduces cost.
        (13pp Dwg.No.1/6
Title Terms: MEMORY; DEVICE; PACKAGE; SYSTEM; MICROCOMPUTER; DEVELOP; TWO;
    MODE; MULTIPLEX; PIGGYBACK; EVALUATE; TYPE; OPERATE
Derwent Class: S01; T01
International Patent Class (Main): **G06F-011/00 ; G06F-011/22 ;
    G06F-011/26**
International Patent Class (Additional): G01R-031/28; G06F-001/00;
    G11C-029/00
File Segment: EPI

   15/5/32   (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004375747
WPI Acc No: 1985-202625/198533
XRPX Acc No: N85-151959
   **Input action former for programmed test systems - has rated and test
   voltage registers taken via voltage supply and switch to comparator**
Patent Assignee: POLUNIN M A (POLU-I)
Inventor: PLESHEV G V
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
SU 1138803   A   19850207 SU 3535927   A   19830107 198533 B

Priority Applications (No Type Date): ᵢSU 3535927 A 19830107
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
SU 1138803   A   6

Abstract (Basic): SU 1138803 A
        High-reliability digital devices with redundancy can be tested by
    the proposed system, which based on a prototype, as per Parent Cert;
    and contains in addition registers (20,21,28), switches (22,26),
    stabilitron voltage supply (23), AND-gates (24,25,29) and comparator
    unit (27).
        During operation, the data part of the stimulus instruction is
    input into rated supply voltage register (20), and the test voltage
    register (21) which controls switch (22) connecting the appropriate
    outputs of multichannel voltage supply (23) to output (38), while
    switch (26) connects reference voltages to the comparators, initiating
    AND-gates (24). When supply voltages have reached the required levels,
    the comparators reset the flip-flops in register (28) via AND-gates
    (25). The face that the register has been completely cleared is
    indicated by AND-gate (29) which is interrogated by decoder (3) before
    the system proceeds to the next instruction.
        USE/ADVANTAGE - In **programmed   control** systems, where the
    proposed device tests systems with **redundancy** at the level of
    channel, device and individual assembly, and can define the area of
    stable operation of standard digital **devices** at **various** supply
    voltages, improving test quality by automatic testing at limit voltage
    leVels. Bul.5/7.2.85 (6pp Dwg.No.1/1)
Title Terms: INPUT; ACTION; FORMER; PROGRAM; TEST; SYSTEM; RATE; TEST;
    VOLTAGE; REGISTER; VOLTAGE; SUPPLY; SWITCH; COMPARATOR
Derwent Class: T01; T06

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International Patent Class (Additional): **G06F-011/00**
File Segment: EPI

   15/5/33   (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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003740273
WPI Acc No: 1983-736472/198333
XRPX Acc No: N83-142556
   **Semiconductor device with spare memory cells - uses small number of spare
   memory cells to compensate for defective memory cells**
Patent Assignee: TOSHIBA KK (TOKE); TOKYO SHIBAURA DENKI KK (TOKE)
Inventor: OCHII K
Number of Countries: 004 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 85386	A	19830810				198333	B
US 4566081	A	19860121	US 83461951	A	19830128	198606	
EP 85386	B1	19931222	EP 83100649	A	19830125	199351	
DE 3382728	G	19940203	DE 3382728	A	19830125	199406	
			EP 83100649	A	19830125		

Priority Applications (No Type Date): JP 8212781 A 19820129
Cited Patents: 2.Jnl.Ref; A3...8640; EP 30245; EP 52481; No-SR.Pub; US
   4047163; US 4346459
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 85386	A	E	33		
Designated States (Regional): DE FR GB					
EP 85386	B1	E	14	G06F-011/20	
Designated States (Regional): DE FR GB					
DE 3382728	G			G06F-011/20	Based on patent EP 85386

Abstract (Basic): EP 85386 A
     The device comprises a number of bit memory sections each
   containing a number of memory cells arranged on a number of columns.
   Column select switching circuits are coupled with the bit memory
   sections. A number of switching devices are coupled with the column
   select switching circuits. One spare memory section is provided
   containing a number of spare memory cells, arranged on a column.
     Another set of switching devices are coupled with the **spare**
   memory section, and one **control** device **programmable** to turn off one
   of the **first** switching **devices** , and at the same time to turn on the
   second switching devices. This is in response to a specified one of
   column select signals for selectively designating columns of each bit
   memory section.
     0/8
Title Terms: SEMICONDUCTOR; DEVICE; SPARE; MEMORY; CELL; NUMBER; SPARE;
  MEMORY; CELL; COMPENSATE; DEFECT; MEMORY; CELL
Derwent Class: T01; U14
International Patent Class (Main): **G06F-011/20**
International Patent Class (Additional): G11C-007/00
File Segment: EPI

   15/5/34   (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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002168515
WPI Acc No: 1979-J8462B/197942
  Computer monitoring and blockage prevention - with multiple processors
  using artificial transfer interrupt-busy signals passed by decoder
  through logic circuit
Patent Assignee: IBM CORP (IBMC)
Inventor: LUIZ F A
Number of Countries: 009 Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 2911677	A	19791011				197942	B
GB 2018478	A	19791017				197942	
NL 7902668	A	19791012				197943	
SE 7903133	A	19791112				197948	
BR 7902170	A	19791204				197951	
FR 2423002	A	19791214				198005	
US 4191997	A	19800304				198011	
DE 2911677	B	19801217				198101	
CA 1102425	A	19810602				198126	
GB 2018478	B	19820310				198210	
IT 1166704	B	19870506				198939	

Priority Applications (No Type Date): US 78894738 A 19780410

Abstract (Basic): DE 2911677 A
      The method and circuit are for monitoring and prevention of
    blockages in data processing systems with several processors, esp.
    those with a common **multiple - device   control** unit, and this
    prevents complicated **programming** and blockages in cases where an
    excessively large number of uninterrupted busy messages exists.
      It generates a time defined interval signal. During the time
    interval an artificial busy signal is sent to one or more processors or
    channels to enable the internal program sequence to finish and the
    connection to be restablished to a defined processor to enable
    satisfaction of a previous request. In the blockage supervision
    circuit, the incoming signal passes through a decoder (52) to the logic
    circuit which includes AND gates (54, 60), an inverter (58), counter
    (56) and flip-flop (66
Title Terms: COMPUTER; MONITOR; BLOCK; PREVENT; MULTIPLE; PROCESSOR;
  ARTIFICIAL; TRANSFER; INTERRUPT; BUSY; SIGNAL; PASS; DECODE; THROUGH;
  LOGIC; CIRCUIT
Derwent Class: T01; T04
International Patent Class (Additional): G06F-003/00; G06F-009/18;
  G06F-011/00 ; G06F-015/16
File Segment: EPI

 15/5/35   (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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001744922
WPI Acc No: 1977-J1424Y/197740
  Data processing system with two instruction circuits - has secondary
  system with its own programmable computer to control primary system
Patent Assignee: AMDAHL CORP (AMDA)
Number of Countries: 007 Number of Patents: 007
Patent Family:
Patent No   Kind Date   Applicat No   Kind Date   Week

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BE 855475      A  19771003                                    197740  B
DE 2725503     A  19771215                                    197751
US 4149244     A  19790410                                    197917
IL 52264       A  19790930                                    197944
GB 1580846     A  19801202                                    198049
CA 1091357     A  19801208                                    198104
CH 629319      A  19820415                                    198219
```

Priority Applications (No Type Date): US 76693552 A 19760607

Abstract (Basic): BE 855475 A
     The data processing system has a primary memory, an instruction
processing device, and primary instruction execution device all
associated with the primary system. This primary system executes data
manipulation according to a instruction primary programme. The primary
system possesses a primary control interface with connections offering
inputs towards and outputs from a primary system independent of the
primary programme.
     The data processing system has a secondary system having a
programmable   secondary computer. This computer processes a
secondary instruction **programme** . The **secondary** system has a
secondary   control interface connected to the **secondary   computer**
which can be controlled by the **secondary   programme** . The **secondary**
 control interface is connected to the primary **control** interface so
as to **control** the latter and the primary system in response to the
secondary programme so that the primary system is controlled by the
secondary system.
Title Terms: DATA; PROCESS; SYSTEM; TWO; INSTRUCTION; CIRCUIT; SECONDARY;
  SYSTEM; PROGRAM; COMPUTER; CONTROL; PRIMARY; SYSTEM
Derwent Class: T01; T04
International Patent Class (Additional): G06F-003/00; G06F-009/18;
  G06F-011/06 ; G06F-015/16
File Segment: EPI

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Set     Items    Description
S1          0    AU=(CRESCENTI J? OR CRESCENTI, J? OR PRAHLAD A? OR PRAHLAD,
                    A?)
S2     708215    RETRIEVAL? OR BACKUP? OR BACK()UP? ?
S3    7539359    SOFTWARE? OR PROGRAM? OR APPLICATION?
S4    4437424    NODE? OR TERMINAL? OR PC? ? OR COMPUTER? ? OR CPU? ? OR WO-
                    RKSTATION? OR SERVER? ? OR DEVICE? ?
S5     341938    S4(2N)(PLURAL? OR SEVERAL OR VARIOUS OR MANY OR MULTIPL? OR
                    NUMEROUS OR NETWORK? ? OR 1ST OR 2ND OR FIRST OR SECOND?)
S6    9606266    MANAG? OR CONTROL? ? OR AGENT?
S7    1133949    STORAGE? OR ARCHIV? OR DATABASE? OR DB OR DATA()BASE?
S8       3330    S2(10N)S5
S9     704997    S3(3N)S6
S10       156    S8(15N)S9
S11        82    S10(S)S7
S12        51    S11 NOT PY>1999
S13        46    S12 NOT PD=19990715:20030609
S14        42    RD (unique items)
? show file
File  20:Dialog Global Reporter 1997-2003/Jun 09
         (c) 2003 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2003/Jun 09
         (c) 2003 Financial Times Ltd
File 610:Business Wire 1999-2003/May 31
         (c) 2003 Business Wire.
File 613:PR Newswire 1999-2003/May 30
         (c) 2003 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2003/Jun 06
         (c) 2003 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2003/Jun 07
         (c) 2003 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
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14/3,K/1   (Item 1 from file: 20)
DIALOG(R)File   20:Dialog Global Reporter
(c) 2003 The Dialog Corp. All rts. reserv.

05729809 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**VERITAS   Software   Introduces   Family   of   Hierarchical   Storage Management
    Solutions**
BUSINESS WIRE
June 14, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1287

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   products   is designed for   companies with data residing in
heterogeneous environments requiring solid solutions to **manage** their
business-critical **applications** .
     "The combination of shrinking **backup** windows and the explosion of
data on a typical **network**   **server** presents IT administrators with a
difficult task of managing and protecting that data, while still...

... Colemere, vice president of product management, VERITAS Software. "With
the   introduction   of   our   new   VERITAS   **Storage**   Migrator family, VERITAS
Software continues to lead the industry in technologies that provide
companies with...

14/3,K/2   (Item 2 from file: 20)
DIALOG(R)File   20:Dialog Global Reporter
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05528011 (USE FORMAT 7 OR 9 FOR FULLTEXT)
CNT to Present at SAN Workshop
PR NEWSWIRE
May 28, 1999
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 313

     ... Workshop is dedicated to storage area networks, covering vital
subjects such as SAN hardware and **software** , **management** and planning,
availability/fault-tolerance/security   issues, clustering,   **backup**   and
restore, and migration. ABOUT CNT: **Computer**   **Network** Technology (Nasdaq:
CMNT), based in Minneapolis, Minn., is the industry leader in providing the
networking...

14/3,K/3   (Item 3 from file: 20)
DIALOG(R)File   20:Dialog Global Reporter
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03221157 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Sony PetaSite-R and DTF-TM Drives Now Supported by VERITAS Software-R Tools
BUSINESS WIRE
October 26, 1998   9:15
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 604

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   automates   enterprise   backup   operations   for   thousands of nodes

across multiple servers, and consolidates management of **storage** devices
-- standalone, departmental, and enterprise. Above all, it ensures that
mission critical data is protected...

14/3,K/4   (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

03193265 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Storagetek Announces Record Revenue and Earnings Per Share for the Third
    Quarter**
BUSINESS WIRE
October 22, 1998
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1100

    (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   Weiss. "The Access Hub answers customer requirements of open and
simplified storage management by delivering **backup** capabilities, with no
manual intervention, across   **multiple   servers**   to a single **storage**
 device.   **Backup** and restore functionality is one of the highest concerns
customers voice in demanding simplified **storage   management** .
    "SnapShot(TM) **software**   and the RAMAC Virtual Array (RVA) disk
subsystem are important building blocks within VISTA that also simplify
 storage management," continued Weiss. "SnapShot software revenue more
than doubled over the third quarter last year...

14/3,K/5   (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02654238 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Xinet Strengthens Archiving Capabilities of FullPress and WebNative;
    Integration with FlashNet Allows Seamless Archiving and Recovery**
BUSINESS WIRE
August 31, 1998
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 586

    (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   at the customer's site, and receiving completed jobs from
customers.
    SGL's FlashNet storage **management   software** provides the ability to
back - **up** and **archive** data to any device connected to any **server** on
the **network** . FlashNet stores thumbnail previews of **archived** images for
easy identification. This solution handles all aspects of the file
structures with which...

14/3,K/6   (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02495450 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Legato Outsources Help Desk for Networker, Storage Management Software, to
    800 Support**

...technical support to enterprise organizations and business users of
NetWorker for NetWare, high-performance storage **management   software** for
network   servers that **backup** , recover and **archive** data under Novell
NetWare versions 3 and 4.
The outsourcing deal is a first for...

 14/3,K/7   (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0680375   BW0141

**ADVANCED DIGITAL INFO: Advanced Digital Information Corporation Offers
    1,525,000 Shares of Common Stock at $17.00 Per Share**

March 12, 1997

Byline: Business Editors

...third parties to provide highly automated data storage protection.
When used with third-party storage **management   software** , the
Company's products can perform sophisticated **backup** and **archiving** of
electronic data residing across a **network** of **PCs** , **workstations** and
servers with minimal human intervention. The Company's product
family operates in both PC...

 14/3,K/8   (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0673063   BW0084

**ADVANCED DIGITAL INFO: ADIC Files Registration Statement for Public
    Offering of 1,725,000 Shares of Stock**

February 18, 1997

Byline: Business Editors

...firmware with technologically advanced tape drives
manufactured by third parties to provide highly automated data
 storage protection. When used with third-party **storage   management
 software** , the Company's products can perform sophisticated **backup**
and **archiving** of electronic data residing across a complex **network**
of **PCs** , **workstations** and servers with minimal human intervention.
The Company's product family operates in both PC...

 14/3,K/9   (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire
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0650102   BW1121

Bode Akintola   09-Jun-03

SEAGATE SOFTWARE: Seagate Software is First With Certified Netware
    Server-Based Backup for Novell IntranetWare; Novell Labs Says "YES" to
    Seagate Software Backup Compatibility

December 02, 1996

Byline: Business Editors/Computer Writers

    ...a network-wide solution,
capable of backing up a heterogeneous mix of local and remote
network servers , Internet **servers** , intranet servers, and desktop
computers.
    Seagate **Backup** Exec, Seagate **Backup** Director, and Seagate
Storage Manager applications provide comprehensive protection
through full compliance with Novell's Storage Management Services
(SMS). Seagate Software...

 14/3,K/10   (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0647669   BW0149

SEAGATE SOFTWARE: Seagate Software and Pinnacle Micro to Provide Highest
    Capacity 5.25" Magneto-Optical Backup Solution; Pinnacle Micro Apex
    drives and jukeboxes to include Seagate Software backup applications
    for Windows NT, NetWare and Windows

November 20, 1996

Byline: Business Editors

    ...directly in
price and performance with mid-range tape storage like DAT and 8mm
for **backup** of **network servers** and power workstations, while also
providing near-line **storage** for **storage management** and HSM
applications .
    "With backup support for optical storage devices and a
field-proven reputation for customer satisfaction...

 14/3,K/11   (Item 5 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0639015   BW0111

BREECE HILL: BREECE HILL TO SUPPORT NEW NETWORK DATA MANAGEMENT PROTOCOL
    OPEN STANDARD; ADDRESSES COMPLEXITIES OF BACKING UP HETEROGENEOUS FILE
    SERVERS

October 29, 1996

Byline: Business Editors & High-Tech Industry Writers

    ...lessen the complexity of managing and backing up
critical data using any combination of compliant **network** -attached
file **servers** , **back - up** devices and **management applications** .

Bode Akintola   09-Jun-03

The objective of this open standard is to make every
network -attached **storage   device   backup** ready, enabling true
plug-and-play operation.
Additionally, users will not be required to install...

14/3,K/12   (Item 6 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0580820   BW0308

**SEAGATE SOFTWARE 2:   Seagate Software, Storage Management Group First to
Receive the Microsoft BackOffice Logo for Microsoft Exchange Server
Data Protection; Seagate Backup Exec for Microsoft Exchange Server
Module Ensures Reliable and Cost-Effective Backup for Users of
Microsoft BackOffice**

April 30, 1996

Byline: Business Editors and Computer Writers

    ORLANDO, Fla.--(BUSINESS WIRE)--April 30, 1996--Seagate **Software** ,
 Storage   Management Group (SMG), the combination of Arcada Software
and Palindrome, today announced that its Seagate **Backup** Exec for
Microsoft Windows NT Server module for Microsoft Exchange **Server** is
the **first** Microsoft Exchange **backup** product to receive the Microsoft
BackOffice Logo.
"We are pleased that Seagate Software continues to...

14/3,K/13   (Item 7 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0580690   BW0222

**SEAGATE SOFTWARE: Seagate Software Supports Microsoft BackOffice With
Powerful Enterprise Software Technology; Reporting, Storage and Network
Management Software Extend Functionality Of Microsoft BackOffice**

April 30, 1996

Byline: Business Editors & Computer Writers

    ...Server. The
Agent for Microsoft Exchange Server provides integration of data
management for Microsoft Exchange **Server** into existing **network**
management routines. Seagate **Backup** Director and Seagate **Storage**
 Manager also support efficient **software** distribution through
Microsoft Systems Management Server.
SEAGATE WININSTALL PROVIDES SYNERGISTIC SOLUTION
    Seagate Enterprise Management Software...

14/3,K/14   (Item 8 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0469667   BW0014

Bode Akintola   09-Jun-03

STORAGE TECHNOLOGY: StorageTek appoints Weiss chief operating officer

March 10, 1995

Byline: Business Editors

    ...vice president of
marketing, corporate vice president of market planning and executive
vice president of **program   management** .
    Storage Technology Corp. designs, manufactures, markets and
services, worldwide, information **storage** and **retrieval** subsystems for
enterprisewide **computer** systems and **networks** . The company reported
revenue of $1.62 billion in its fiscal year ended Dec. 30...

 14/3,K/15   (Item 9 from file: 810)
DIALOG(R)File 810:Business Wire
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0463812   BW0145

**STORAGETEK: StorageTek   DSD introduces compact, 4mm DAT cartridge library
    for UNIX, PC networks**

February 13, 1995

Byline: Business Editors/Computer Writers

    ...in a compact, 8.5-inch-wide form factor.
    The 9704, when combined with tape **management   software** , provides
unattended and centralized data **backup** , recovery and **archival**
functions for UNIX and **PC   network** users.
    It is the first automated tape library designed exclusively for
the UNIX and PC...

 14/3,K/16   (Item 10 from file: 810)
DIALOG(R)File 810:Business Wire
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0443748   BW1053

**EMC CORP 2:   EMC FIRST-TO-MARKET WITH MAINFRAME-CLASS STORAGE FOR OPEN
    SYSTEMS**

November 10, 1994

Byline: Business Editors

    ...provide Centriplex Backup
in the first half of 1995, providing users with large databases on
 multiple open systems **servers** with high-speed **backup** and restore of
information. Centriplex **Backup** will enhance the Centriplex ES series
with high-performance client/server **storage   management   software** and
will be based on an enhanced version of Epoch Backup from Epoch,
Inc., a...

 14/3,K/17   (Item 11 from file: 810)

DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0435432   BW1020

**LEGATO SYSTEMS: Legato Systems announces its October Device Support
    Supplement**

October 11, 1994

Byline: Business Editors & Computer Writers

    ...Systems
    Legato Systems Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage management software** products that
simplify day-to-day administration. Legato NetWorker is the **first**
client/ **server backup** and recovery software product that is
independent of hardware platforms, operating systems, and backup
devices...

 14/3,K/18   (Item 12 from file: 810)
DIALOG(R)File 810:Business Wire
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0432821   BW0078

**ADV DIGITAL INFO 2: ADIC and Workstation Solutions collaborate on storage
    solutions for UNIX systems**

September 28, 1994

Byline: Business Editors & Computer Writers

    ...configurations to create the highest performance
in their class for a full range of automated **backup** and hierarchical
 storage - management network storage applications .
    Workstation Solutions, with headquarters in Amherst, N.H.,
is a privately held, employee-owned leader in...

 14/3,K/19   (Item 13 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0428930   BW1024

**LEGATO HEWLETT PACKARD: Legato announces a revolutionary approach to
    automating backup and recovery for NetWare servers; introduces first
    product for newly created LABS Standard**

September 12, 1994

Byline: Business Editors and Computer Writers

    ...Systems
    Legato Systems Inc., headquartered in Palo Alto, is the leader
of scalable network data **storage management software** products that
simplify administration for networked computers. Legato NetWorker
is the **first** client/ **server backup** and recovery software product that

is independent of hardware platforms, operating systems, and backup
devices...

   14/3,K/20   (Item 14 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0426614   BW1018

**LEGATO SYSTEMS: Legato and Logica Optimizada De Negocios sign distribution
     agreement for Legato NetWorker for Mexico**

August 29, 1994

Byline: Business and Computer Editors

     ...Systems
     Legato Systems Inc., headquartered in Palo Alto, is the leader
of scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker is
the **first** client/ **server   backup** and recovery software
product that is independent of hardware platforms, operating
systems, and backup devices...

   14/3,K/21   (Item 15 from file: 810)
DIALOG(R)File 810:Business Wire
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0425436   BW1016

**LEGATO: Legato and Tallgrass Norway sign distribution agreement for Legato
     NetWorker**

August 22, 1994

Byline: Business Editors and Computer Writers

     ...Systems
     Legato Systems Inc., headquartered in Palo Alto, is the
leader of scalable network data **storage   management   software** products
that simplify administration for networked computers. Legato
NetWorker is the **first** client/ **server   backup** and recovery software
product that is independent of hardware platforms, operating systems
and backup devices...

   14/3,K/22   (Item 16 from file: 810)
DIALOG(R)File 810:Business Wire
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0423948   BW1020

**LEGATO SYSTEMS: Legato announces enhancements to ClientPak I and ClientPak
     II; expanded client support for backup**

August 15, 1994

Byline: Business and Computer Editors

                    Bode Akintola   09-Jun-03

...Systems
     Legato Systems Inc., headquartered in Palo Alto, is the
leader of scalable network data **storage   management   software** products
that simplify administration for networked computers. Legato
NetWorker is the **first** client/ **server   backup** and recovery software
product that is independent of hardware platforms, operating
systems, and backup devices...

 14/3,K/23   (Item 17 from file: 810)
DIALOG(R)File 810:Business Wire
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0421079   BW0046

**ADVANCED DIGITAL INFO: ADIC Virtual Library System supported by Legato with
     new release of NetWorker for UNIX**

August 1, 1994

Byline: Business Editors & Computer/Electronics Writers

     ...Legato Systems, with headquarters in Palo Alto, Calif., is the
leader of scalable network data **storage   management   software** products
that simplify administration for networked computers. Legato
NetWorker is the **first** client/ **server   backup** and recovery software
product that is independent of hardware platforms, operating systems
and backup devices...

 14/3,K/24   (Item 18 from file: 810)
DIALOG(R)File 810:Business Wire
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0417410   BW0047

**LEGATO SYSTEMS: Legato ships NetWorker now standard in Compaq SmartStart
     CD-ROM program**

July 18, 1994

Byline: Business Editors/Computer Writers

     ...Systems
     Legato Systems Inc., headquartered in Palo Alto, is the leader
of scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker
is the **first** client/ **server   backup** and recovery software product that
is independent of hardware platforms, operating systems, and backup
devices...

 14/3,K/25   (Item 19 from file: 810)
DIALOG(R)File 810:Business Wire
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0415920   BW0626

LEGATO SYSTEMS: Legato Systems announces its July Device Support Supplement

July 11, 1994

Byline: Business Wire and Computer Writers

     ...Systems
     Legato Systems Inc., headquartered in Palo Alto, is the leader
of scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker
is the **first** client/ **server   backup** and recovery software product that
is independent of hardware platforms, operating systems, and backup
devices...

 14/3,K/26   (Item 20 from file: 810)
DIALOG(R)File 810:Business Wire
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0407498   BW657

LEGATO: Legato Systems announces its new Device Support Supplement program

May 23, 1994

Byline: Business Editors

     ...Systems
     Legato Systems Inc. headquartered in Palo Alto is the leader of
scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker is
the **first** client/ **server   backup** and recovery software product that is
independent of hardware platforms, operating systems, and backup
devices...

 14/3,K/27   (Item 21 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0403991   BW629

**PROFILE   EXABYTE   CORP: Corporate Profile for Exabyte Corp., dated May 6,
     1994**

May 6, 1994

Byline: Business Editors

     ...cost-effective and
compact data storage in three of the fastest-growing segments of the
 computer   industry: **workstations , networks** and personal **computers**
.
Within these segments, Exabyte products perform unattended **backup** and
a host of other **storage** applications, such as data acquisition and
interchange, data and **software** distribution, automated **storage
management** and **archiving** .
     Exabyte Corp. had net sales of $310 million and net income of
$16 million for...

14/3,K/28   (Item 22 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0403333   BW047

LEGATO SYSTEMS: Legato Systems announces support for SIDF; Legato becomes a member of X/Open

May 4, 1994

Byline: Business Editors and Computer Writers

     ...Legato Systems Inc., headquartered in Palo Alto, Calif., is the
leader of scalable network data **storage   management   software** products
that simplify administration for networked computers. Legato NetWorker
is the **first** client/ **server   backup** and recovery software product that
is
independent of hardware platforms, operating systems, and
backup devices...

14/3,K/29   (Item 23 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0403284   BW294

Business Wire Recap

May 3, 1994

Byline: EDITORS

     ...watchdog timer
(BW093 11:01)
          (IBM-STORAGE-SYSTEMS)(IBM) SAN JOSE, Calif.--IBM announces
Distributed **Storage   Management   software** for use with OS/400 operating
system; Added capability for automated data **backup** in client/ **server
 networks** (BW096 11:02)
          (CALIFORNIA-MICRO-DEVICES)(CAMD) MILPITAS, Calif.--CMD
Announces Record Third Quarter Earnings...

14/3,K/30   (Item 24 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0403097   BW096

IBM STORAGE SYSTEMS: IBM announces Distributed Storage   Management
      software **for use with OS/400 operating system; Added capability for
    automated data** backup **in client/** server   networks

May 3, 1994

Byline: Business Editors & Computer Writers

IBM announces Distributed Storage   Management   software **for use with
      OS/400 operating system; Added capability for automated data** backup

in client/ server   networks

14/3,K/31   **(Item 25 from file: 810)**
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0398594   BW639

LEGATO: Legato NetWorker chosen as editors' favorite by Network Computing magazine

April 18, 1994

Byline: Business Editors/Computer Writers

     ...Legato Systems Inc., headquartered in Palo Alto, Calif., is the
leader of scalable network data **storage   management   software** products
that simplify administration for networked computers. Legato
NetWorker is the **first** client/ **server   backup** and recovery software
product that is independent of hardware platforms, operating systems
and backup devices...

14/3,K/32   **(Item 26 from file: 810)**
DIALOG(R)File 810:Business Wire
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0395566   BW702

DATATOOLS: DataTools   enhances   SQL-BackTrack's   integration   with Legato NetWorker

April 4, 1994

Byline: Business Editors and Computer Writers

     ...Legato Systems
     Legato Systems Inc., headquartered in Palo Alto, Calif., develops
and markets scalable data   **storage**   **management**   **software**
 that simplifies
administration for networked computers. Legato NetWorker is the **first**
client/ **server   backup** and recovery software product that is independent
of hardware platforms, operating systems, and backup devices...

14/3,K/33   **(Item 27 from file: 810)**
DIALOG(R)File 810:Business Wire
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0394207   BW641

**LEGATO   SYSTEMS SUNSOFT: Legato   Systems   and SunSoft   announce joint
     technology licensing and distribution agreement; Legato NetWorker
     technology   to   provide   critical   backup   capabilities   for   Solaris
     enterprise environments**

March 28, 1994

Byline: Business Editors and Computer Writers

                    Bode Akintola   09-Jun-03

...on Legato Systems
    Legato Systems Inc., headquartered in Palo Alto, develops and
markets scalable data **storage   management   software** that simplifies
administration for networked computers. Legato NetWorker is the **first**
client/ **server   backup** and recovery software product that is independent
of hardware platforms, operating systems, and backup devices...

  14/3,K/34   (Item 28 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0370516   BW672

**EXABYTE   COMDEX: IBM's new release of storage software to support Exabyte
    8mm libraries**

November 17, 1993

Byline: Business Editors

    ...this week in Las
Vegas.
    A provider of automated storage management to mainframe
environments, IBM **storage   management   software** now brings the same
powerful capabilities to **workstations** and **network** file **servers** . ADSM
performs automated **backup** , restore and **archiving** , and hierarchical
storage management. It also protects data by allowing only
authorized users access to...

  14/3,K/35   (Item 29 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0370225   BW767

**IBM   STORAGE   SYSTEMS: NEW HARDWARE AND SOFTWARE CAPABILITIES FOR IBM 3995
    OPTICAL LIBRARY DATASERVER MODELS FOR RISC SYSTEM/6000**

November 16, 1993

Byline: Business Editors

    ...which is also being announced today, provides administrator
controlled, highly automated, centrally scheduled, network-based
 backup and **archive** functions for workstations, personal computers and
local area **network** (LAN) file **servers** . It is available as an IBM
licensed **program** product.
    AMASS (**Archival   Management** and **Storage** System) presents the
entire library capacity as a single logical device (one file system)
under...

  14/3,K/36   (Item 30 from file: 810)
DIALOG(R)File 810:Business Wire
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0368512   BW356

CONNER PERIPHERALS 2: Conner extends Storage Solutions Initiative, plans to demonstrate new products at COMDEX

November 9, 1993

Byline: Business Editors

    ...the server's
CPU, or with a dedicated processor to increase performance. Conner's
Array **Management Software** allows network administrators to set-up,
configure and monitor one or more Conner RAID **devices** on the **network** .
    -- Conner **Backup** Exec for NetWare, an enterprise-wide data **storage**
management system that supports NetWare 3.x and 4.x, including
Directory Services and Storage...

 14/3,K/37   (Item 31 from file: 810)
DIALOG(R)File 810:Business Wire
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0348770   BW172

**OPENVISION CONTROL DATA: OpenVision acquires Control Data's storage
     management products; agreement expands storage offerings with Aria
     Suite products**

August 2, 1993

Byline: Business Editors/Computer Writers

    ...solution.
    The Aria Suite products include:

*T
    - Backup Plus, an easy-to-configure, highly distributable **backup**
      and recovery product designed for users on 1000+ **node   networks** .
    - **Server** Migration Manager, a hierarchical **storage   management**
      product designed for **applications** requiring **storage** capacity of
      20 or more gigabytes.
    - Client Migration Manager, a portable, non-intrusive migrator that...

 14/3,K/38   (Item 32 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0348381   BW747

**IBM ADSTAR: Availability of ADSTAR Software; ADSTAR DISTRIBUTED STORAGE
     MANAGER COMPATIBLE WITH BROAD RANGE OF COMPUTING PLATFORMS**

July 30, 1993

Byline: Business Editors

    ...availability, storage management and data
access across distributed multi-vendor environments. The ADSTAR
Distributed Storage **Manager** (ADSM) **software** is a network-based **backup**
and **archive** solution for workstations and LAN (local area **network**)

file **servers** .
     In this initial offering, ADSTAR Distributed Storage Manager
utilizes mainframe computers to backup and archive...

 14/3,K/39   (Item 33 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0311744   BW024

**EMERALD SYSTEMS: Emerald Systems introduces lowest-priced 8mm tape backup
     solution that doubles capacity, speed, reliability**

December 23, 1992

Byline: Business Editors & Computers/Electronics Writers

     ...file, even if it resides on several different
tapes.
     Emerald Systems supplies both workstation and **server** -based **network
 backup** and **storage   management   software** , hardware and accessories
worldwide through major distributor and reseller channels. For further
information, contact Emerald...

 14/3,K/40   (Item 34 from file: 810)
DIALOG(R)File 810:Business Wire
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0271553   BW101

**HEWLETT PACKARD: HP 10-Gbyte multifunction optical library had entry-level
     price under $10,000**

March 31, 1992

Byline: Computer Writers

     ...current library product
line.
     HP designed the new library to withstand the demands of such
 applications   as image **management , archival** and hierarchical **storage**
'
and unattended **backup** for personal computer (**PC**) and **workstation
 networks** . Model 10LC exhibits a mean-time-between-failures (MTBF)
rate of 40,000 hours (typically...

 14/3,K/41   (Item 35 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0146769   BW635

**EMERALD SYSTEMS CORP: Emerald Systems to promote Novell-based PC network
     storage software as industry standard through key computer**

October 10, 1989

                    Bode Akintola   09-Jun-03

Byline: Business Editors & Computer Writers

    ...network files.
    The highest level in the network storage management hierarchy is
addressed by EmLIB **software** , which **manages** both centralized and
distributed **backup** onto **multiple** offline **storage** **devices** , thereby
bridging **various** recording technologies and formats, and providing, in
essence, a de facto recording format standard within...

14/3,K/42   (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0633841   NY014
**CONVEX ADDRESSES THE DATA EXPLOSION WITH A BROAD RANGE OF DATA MANAGEMENT
    SOLUTIONS**

DATE: September 24, 1993   07:36 EDT   WORD COUNT: 1,082

...a few hundred
gigabytes to thousands of terabytes.

    -- Easy-to-use software that performs unattended **backup** of **networks**
of **workstations** and other computers, based on Software Moguls' SM-arch
client and server **software** .

    -- Hierarchical **storage**   **management**   **software** that moves data
between
disk and robotic tape transparently, as though everything were stored on...

08514879   SUPPLIER NUMBER: 18038487   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seagate, Conner unify lines: spawn group dedicated to data access,
   Internet. (Seagate Software Management Group's Seagate Backup, Backup
   Exec, Backup Director, Storage Manager, Systos Premium and Visual Storage
   Administrator workgroup backup software)(Product Announcement)
Lapolla, Stephanie
PC Week, v13, n8, p10(1)
Feb 26, 1996
DOCUMENT TYPE: Product Announcement   ISSN: 0740-1604   LANGUAGE:
   English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 455   LINE COUNT: 00042

   ...   Cogswell, who held the position of Palindrome's president and CEO,
has been appointed general **manager** of SMG.
      Seagate **Software   Storage** Market Group Products
      Seagate Backup
      * Windows 95, Windows 3.x, DOS, OS/2 Warp clients
      Seagate **Backup** Exec
      * NetWare, Windows NT
      Seagate Sytos Premium
      * OS/2 LAN **Server , network backup** and restore for OS/2
    . Seagate **Backup** Director and **Storage** Manager
      * **Backup , archive ,** and HSM for multi-LAN NetWare and NT
environments
      Seagate Visual Storage Administrator
      * Centralized management...

  14/3,K/103   (Item 12 from file: 148)

08181350   SUPPLIER NUMBER: 17494063   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Digital, Microsoft team on clusters.
Jacobs, Marcia A.
CommunicationsWeek, n574, p25(1)
Sep 11, 1995
ISSN: 0746-8121   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 388   LINE COUNT: 00035

   ...   addressed, managed and viewed by clients as a single system. Each
individual system runs cluster **software** , which **manages** communications
with clients and failover access to different machines should one fail.
      The linked systems provide **redundant storage , CPUs** and **network**
paths, thus providing high reliability. Clusters are also scalable, because
capacity can be added to...

  14/3,K/104   (Item 13 from file: 148)

08116385   SUPPLIER NUMBER: 17337631   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Assuring LANtegrity for NetWare 3.x, 4.1: server stand-in keeps data
   available. (Network Integrity Inc's LANtegrity for NetWare 3.2)(PC Week
   Netweek) (Software Review)(Evaluation)
Katz, William F.

PC Week, v12, n35, pN1(3)
Sep 4, 1995
DOCUMENT TYPE: Evaluation   ISSN: 0740-1604   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1780   LINE COUNT: 00158

...ABSTRACT: as a stand-in for NetWare servers that have failed. It avoids
the costs of **redundant** hardware by combining a one-to- **many** approach to
server   redundancy with hierarchical **storage   management** . The **program**
's data security features and management console are excellent, and its
tape library is well...

 14/3,K/105   (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08028487   SUPPLIER NUMBER: 17360616   (USE FORMAT 7 OR 9 FOR FULL TEXT)
ARCADA BACKUP EXEC FOR NETWARE V7 ADDRESSES ENTERPRISE RELIABILITY AND
  PERFORMANCE DEMANDS.
Business Wire, p7260144
July 26, 1995
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 717   LINE COUNT: 00125

...   UPS vendors, vertical market software providers and corporate IS
groups that want to integrate reliable **backup** software into their
applications. The SDK will be available in September. This will be the
first time client/ **server   backup** capabilities can be integrated into
custom applications.
    About Arcada
    Arcada Software, Inc. develops enterprise data protection and **storage**
  management   software that operates across multiple desktop and
client/server environments, including those from Microsoft Corp., Novell...

 14/3,K/106   (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07797902   SUPPLIER NUMBER: 16790922   (USE FORMAT 7 OR 9 FOR FULL TEXT)
IPL ANNOUNCES BUSINESS ALLIANCE WITH LEGATO SYSTEMS, INC.
Business Wire, p4101036
April 10, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 621   LINE COUNT: 00056

TEXT:
    ...today announced an agreement with Legato Systems, Inc., to market
Legato NetWorker, the industry's **first** client/ **server network   storage**
  management   application that is independent of hardware platforms,
operating systems, and **backup** devices. Under the terms of the agreement,
IPL will offer Legato NetWorker software with its...

 14/3,K/107   (Item 16 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07773239   SUPPLIER NUMBER: 16821506

Legent tackles Unix client/server backup. (Legent Corp's Reliance/XP Open
    Storage Manager and Reliance/XP Network Backup and Restore backup
    software) (Product Announcement)
Moore, Steve
Computerworld, v29, n14, p10(1)
April 3, 1995
DOCUMENT TYPE: Product Announcement   ISSN: 0010-4841   LANGUAGE:
    ENGLISH   RECORD TYPE: ABSTRACT

...ABSTRACT: the Reliance/XP Open Storage Manager (OSM) and Reliance/XP
Network Backup and Restore (NBR) **storage   management** and **backup
software** packages that support automated hierarchical **storage** management
and **backup** for Unix-based client/ **server   networks** . OSM identifies
seldom-used files and moves them to optical disc and magnetic tape volumes
. . .

  14/3,K/108   (Item 17 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07756459   SUPPLIER NUMBER: 16723326   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Legato Systems Announces Strategic Partnerships with Mainframe Storage
    Management Providers; Introduces Industry's Most Comprehensive Set of
    Solutions for Backing Up Network-Based Data to Existing Mainframe Storage
    Systems.**
Business Wire, p03281049
March 28, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1374   LINE COUNT: 00121

...   Systems
    Legato Systems, Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker is the
first client/ **server   network   storage   management   application** that
is independent of hardware platforms, operating systems, and **backup**
devices.
    Legato's family of network storage management products provides
seamless, centralized and fully automated...

  14/3,K/109   (Item 18 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07755941   SUPPLIER NUMBER: 16719374   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Legato Systems announces SNMP support for NetWorker; integration of
    NetWorker's event notification system with SunNet Manager and HP
    OpenView's Network Node Manager.**
Business Wire, p03281039
March 28, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 664   LINE COUNT: 00059

...   Systems
    Legato Systems, Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker is the
first client/ **server   network   storage   management   application** that

is independent of hardware platforms, operating systems, and **backup** devices.
        Legato's family of network storage management products provides seamless, centralized and fully automated...

   14/3,K/110   (Item 19 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07755939   SUPPLIER NUMBER: 16719370   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Legato Systems announces comprehensive strategy for database protection;
   delivers database backup products for Oracle, Informix, and Sybase.
Business Wire, p03281033
March 28, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1140   LINE COUNT: 00102

...   Systems
        Legato Systems, Inc., headquartered in Palo Alto, is the leader of scalable network data **storage   management   software** products that simplify administration for networked computers. Legato NetWorker is the **first** client/ **server   network   storage   management   application** that is independent of hardware platforms, operating systems, and **backup** devices.
        Legato's family of network storage management products provides seamless, centralized and fully automated...

   14/3,K/111   (Item 20 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07701523   SUPPLIER NUMBER: 16455773   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Legato announces third generation release of NetWorker for NetWare;
   Strategic network storage management application for NetWare 4.1 by
   Novell.
Business Wire, p02140020
Feb 14, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1353   LINE COUNT: 00121

...   Systems
        Legato Systems, Inc., headquartered in Palo Alto, is the leader of scalable network data **storage   management** software products that simplify administration for networked computers. Legato NetWorker is the **first** client/ **server   network   storage   management   application** that is independent of hardware platforms, operating systems, and **backup** devices.
        Legato's family of network storage management products provides seamless, centralized and fully automated...

   14/3,K/112   (Item 21 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07701342   SUPPLIER NUMBER: 16452279   (USE FORMAT 7 OR 9 FOR FULL TEXT)
StorageTek DSD introduces compact, 4mm DAT cartridge library for UNIX, PC
   networks.

Business Wire, p02130145
Feb 13, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 608   LINE COUNT: 00052

    The 9704, when combined with tape **management   software** , provides
unattended and centralized data **backup** , recovery and **archival** functions
for UNIX and **PC   network** users.
    It is the first automated tape library designed exclusively for the
UNIX and PC...

14/3,K/113   (Item 22 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07597604   SUPPLIER NUMBER: 15993944   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Legato Systems announces NetWorker Archive application and "archive-ready"
  NetWorker 4.1 for Unix; introduces unique and powerful advanced data
  management services.
Business Wire, p12191047
Dec 19, 1994
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1504   LINE COUNT: 00132

...   Systems
    Legato Systems Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker is the
first client/ **server   network   storage   management   application** that
is independent of hardware platforms, operating systems, and **backup**
devices.
    Legato's family of network storage management products provides
seamless, centralized and fully automated...

14/3,K/114   (Item 23 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07597602   SUPPLIER NUMBER: 15993940   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Legato Systems announces the first enterprise storage management
  application for Windows NT; Comprehensive protection for Microsoft
  Windows and NT Workstations and Servers.
Business Wire, p12191044
Dec 19, 1994
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 970   LINE COUNT: 00091

...   the Microsoft point-and-click GUI environment. System
administrators can schedule, monitor and configure a **storage   management**
 application from virtually any **node** on the **network** , and users can
take advantage of a simple graphical interface to perform their own
backups and recoveries without administrator intervention.
        -0-
    Availability

    Microsoft Windows Platform   NetWorker ClientPak   Availability
    --------------------------   -----------------------   -----------
    Windows NT...

...Systems
    Legato Systems Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage management software** products that
simplify administration for networked computers. Legato NetWorker is the
first client/ **server network storage management application** that
is independent of hardware platforms, operating systems, and **backup**
devices.
    Legato's family of network storage management products provides
seamless, centralized and fully automated...

14/3,K/115   (Item 24 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07593034   SUPPLIER NUMBER: 16454476   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Multimedia: advancing services. (Bringing Broadband Service Home with
  Hybrid Fiber/Coax Technology)
Kafka, Hank; Steffes, Lorene
America's Network, v98, n21, pS13(3)
Nov 1, 1994
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1624   LINE COUNT: 00139

...   store and retrieve pre-recorded full-motion video content for
delivery across a broadband digital **network** . Video **servers** generally
incorporate a hierarchy of **storage** and **retrieval** options, from tape to
semi-conductor-based **storage** .
    With the proper combination of outputs and **control software** , the
same video server can handle multiple applications. It can generate new
revenues through digital...

14/3,K/116   (Item 25 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07563552   SUPPLIER NUMBER: 15924697   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Legato Systems names senior vice president of product development.
Business Wire, p11141125
Nov 14, 1994
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 505   LINE COUNT: 00044

...   basis."
    Legato Systems Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage management software** products that
simplify day-to-day administration. Legato NetWorker is the **first** client/
server backup and recovery software product that is independent of
hardware platforms, operating systems, and **backup** devices. Staccato is
the industry's first fully automated backup solution that virtually
eliminates all...

14/3,K/117   (Item 26 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07562389   SUPPLIER NUMBER: 15916913   (USE FORMAT 7 OR 9 FOR FULL TEXT)
EMC FIRST-TO-MARKET WITH MAINFRAME-CLASS STORAGE FOR OPEN SYSTEMS.

Bode Akintola   09-Jun-03

Business Wire, p11101053
Nov 10, 1994
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 896   LINE COUNT: 00076

...   reliable and accessible throughout the enterprise."
     EMC also announced that it intends to provide Centriplex **Backup** in
the first half of 1995, providing users with large **databases** on **multiple**
 open systems **servers** with high-speed **backup** and restore of
information. Centriplex **Backup** will enhance the Centriplex ES series with
high-performance client/server **storage** **management** **software** and will
be based on an enhanced version of Epoch Backup from Epoch, Inc., a...

14/3,K/118   (Item 27 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06801808   SUPPLIER NUMBER: 14080091   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Direct authority. (The Lower Colorado River Authority (LCRA) uses
   microcomputers bought through the direct channel) (includes related
   articles on LCRA Senior Systems Analyst Jim Howell and his experience at
   CompuAdd) (InfoWorld Direct: The Buyer's Guide special supplement)
Goff, Leslie
InfoWorld, v15, n30, pS30(4)
July 26, 1993
ISSN: 0199-6649   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2339   LINE COUNT: 00184

...   33MHz 486DX-based PCs and servers; notebook PCs; an asynchronous
communications server; printers; modems; PC **back** - **up** system; fiber-optic
hubs; 10BaseT cable; **PC** and **network** operating systems; **PC**
productivity, **network** -management, help-desk, project- **management** and
database   **software** ; **programming** tools
     Products purchased direct: 486 desktops from Austin Computer Systems,
Dell, CompuAdd, Gateway and Daly...

14/3,K/119   (Item 28 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06801510   SUPPLIER NUMBER: 14449354   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Backup, restore, archiving products available on Unix. (Avax International
   introduces NovaMarch, NovaVault and NovaBus) (Brief Article) (Product
   Announcement)
Computing Canada, v19, n19, p38(1)
Sept 13, 1993
DOCUMENT TYPE: Product Announcement   ISSN: 0319-0161   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 121   LINE COUNT: 00010

...   licensed from AT&T CommVault Systems and allows a workstation to
function as a tape **backup** server to a heterogeneous mix of Unix
workstations on a **network** . And NovaBus is **archiving** , **backup** and
restore **software** that provides intelligent **control** of large robotic
jukeboxes.
     Pricing was not provided.

14/3,K/120   (Item 29 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06779679   SUPPLIER NUMBER: 14807669   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Legato, Cheyenne chart HSM course; new products increase off-line storage.
   (Legato Systems Inc.'s Networker Archive and Networker HSM, Cheyenne
   Software Inc.'s Cheyenne HSM hierarchical storage-management software)**
Schroeder, Erica
PC Week, v10, n49, p6(1)
Dec 13, 1993
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 469   LINE COUNT: 00037

...ABSTRACT: enterprise. Cheyenne plans to introduce its Cheyenne HSM
product for Novell Inc NetWare 4.x **servers** in **2nd** qtr 1994. Working in
conjunction with Cheyenne's ARCserve **backup   software** , Cheyenne HSM will
manage   storage for server and MS-DOS, Microsoft Windows, OS/2 and Apple
Macintosh client files. Legato...

14/3,K/121   (Item 30 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06706242   SUPPLIER NUMBER: 13277773   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**CONVEX ADDRESSES THE DATA EXPLOSION WITH A BROAD RANGE OF DATA MANAGEMENT
   SOLUTIONS**
PR Newswire, p0924NY014
Sept 24, 1993
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1116   LINE COUNT: 00100

...   a few hundred gigabytes to thousands of terabytes.
     -- Easy-to-use software that performs unattended **backup** of
networks of **workstations** and other computers, based on Software Moguls'
SM-arch client and server **software** .
     -- Hierarchical **storage   management   software** that moves data
between disk and robotic tape transparently, as though everything were
stored on...

14/3,K/122   (Item 31 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06703360   SUPPLIER NUMBER: 14344654   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Network backup evolves. (includes related articles on Editors' Choice
   winners, on advantages of automatic local area network backup, on
   selection of backup software, on measuring products' suitability to
   various tasks, on commonly used network backup terms, on reasons for
   automation, on testing methodology and on data security) (Software
   Review) (overview of five evaluations of local area network backup
   software) (Evaluation)**
Peterson, Michael; Koontz, Charles P.; Boyle, Padraic
PC Magazine, v12, n16, p277(18)
Sept 28, 1993
DOCUMENT TYPE: Evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6566   LINE COUNT: 00520

...   The term also describes a class of comprehensive network backup
software that includes file-history **databases** and file migration
capabilities.
       parallel **backup** : The simultaneous copying of files from multiple
sources, such as **network** **servers** or **workstations** , to **multiple**
targets. Individual sources write data to individual targets, but those
multiple events take place simultaneously under centralized **control** .
       storage **management** **software** : The class of software that manages
storage devices, the storage hierarchy, and functions related to...

 14/3,K/123   (Item 32 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06693348   SUPPLIER NUMBER: 14196175   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Archive software company signs Emeritus contract. (Emeritus Technologies
   and Mountain Network Solutions; Mountain TapeWare) (Brief Article)
   (Product Announcement)
Computing Canada, v19, n16, p50(1)
August 3, 1993
DOCUMENT TYPE: Product Announcement   ISSN: 0319-0161   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 180   LINE COUNT: 00014

       Mountain TapeWare **storage** **management** software is a **backup**
solution for Novell Netware networks, providing **backup** and restore of
local-arean **network** and **workstation** files for a single NetWare **server**
or for **multiple** **servers** across a **network** .
       It is designed to manage multiple-cartridge archival library systems
(stackers and auto-loaders).
       The...

 14/3,K/124   (Item 33 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06517170   SUPPLIER NUMBER: 14207396   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Saving the day? (Hardware Review) (Intel StorageExpress XLD backup server)
   (Evaluation)
O'Connor, Kevin
PC User, n213, p77(1)
June 16, 1993
DOCUMENT TYPE: Evaluation   ISSN: 0263-5720   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 923   LINE COUNT: 00069

...   down, the other continues to function.
       Using StorageExpress is pure pleasure. When you run the **management**
software , it lists the **StorageExpress** **servers** on the **network** and
asks you to connect to one. Once connected, you're provided with options to
 back **up** , restore, view (and change) the scheduled jobs, view reports,
change the configuration or run a...

 14/3,K/125   (Item 34 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06443149   SUPPLIER NUMBER: 13654442   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing large Ethernet installations.
Carney, Charles E., Jr.; Gavurin, Stuart L.
Business Communications Review, v23, n3, p21(6)
March, 1993
ISSN: 0162-3885   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4171   LINE COUNT: 00407

...   assist in fault detection and isolation.
      Table 2
      Departmental Domain Functions
      Function   Tools
      Core Functions:
       Server Management   * **Network** Operating
                                       System utilities
                                   * Third-party software
      Centralized **Storage / Backup**   * **Backup** /restoration
                                     software
                                   * Tape **storage**
                                   * Tape **management**
                                     system
      Baseline Security   * **Application** -specific ·
                                   * **control**
                                   * Virus-detection **software**
      Secondary Functions:
      End User Device   * Education/
       Management   documentation
                                   * Network Operating
                                   * System utilities
                                   * Spare parts
                                   * Diagnostic...

 14/3,K/126   (Item 35 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05829701   SUPPLIER NUMBER: 12068276   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Storage: HP 10-Gbyte multifunction optical library had entry-level price
  under $10,000. (Hewlett-Packard Co.'s Model 10LC optical disk drive
  system) (Product Announcement)**
EDGE: Work-Group Computing Report, v3, n98, p22(1)
April 6, 1992
DOCUMENT TYPE: Product Announcement   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 439   LINE COUNT: 00033

...   current library product line.
      HP designed the new library to withstand the demands of such
applications as image **management** , **archival** and hierarchical **storage** ,
and unattended **backup** for personal computer (**PC**) and **workstation**
networks . Model 10LC exhibits a mean-time-between-failures (MTBF) rate of
40,000 hours (typically...

 14/3,K/127   (Item 36 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05758214   SUPPLIER NUMBER: 11730604   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Buyer's guide to micro software (soft). (Software Pick of the Month)
   (Column)
Veccia, Susan
Database, v15, n1, p99(1)
Feb, 1992
DOCUMENT TYPE: Column   ISSN: 0162-4105   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 451   LINE COUNT: 00040

...   memory. Supports one local
     area (LAN) connection, including Novell, 3Com, and Vines, or any
     Netbios **network** ; additional concurrent **nodes** optional.
APPLICATION DESCRIPTIONS: **DATABASE   MANAGEMENT** , TEXT
     MANAGEMENT, TEXT SEARCH AND **RETRIEVAL** ,
     HYPERTEXT. OPERATING ENVIRONMENT
     CPU: 8086, 8088, 80286, 80386
     Operating System(s): PCDOS, MSDOS 2.0...

 14/3,K/128   (Item 37 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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04133020   SUPPLIER NUMBER: 07559526   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The networked storage game. (includes related article on Apple Computer)
Moad, Jeff
Datamation, v35, n16, p39(4)
August 15, 1989
ISSN: 1062-8363   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2544   LINE COUNT: 00204

...   setting archiving boundaries that correspond with the needs of the
business and make sure that **backups** are being done."
     Like workstation vendors, most makers of **network** -oriented **storage**
 devices have been concentrating on high-performance, high-capacity
hardware rather than on **storage   management   software** or subsystems. In
the last year, vendors have flooded the market with new hardware
technologies...

 14/3,K/129   (Item 38 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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04078498   SUPPLIER NUMBER: 07471892   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Commerce eyes Oracle server for Vines. (Commerce Department)
Olsen, Florence
Government Computer News, v8, n15, p31(2)
July 24, 1989
ISSN: 0738-4300   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 533   LINE COUNT: 00043

...   parts. The first part consists of software application tools that
load onto the user's **PC   workstation** .
     The **second** is the relational **database   management** system
software that runs on the **network   server** .
     It performs **backup** and restore operations, and processes Structured
Query Language commands.
     The third part consists of Structured...

14/3,K/130   (Item 39 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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03944356   SUPPLIER NUMBER: 07826922
Reviews roundup. (listing of product reviews starting with issue number 41)
PC User, n117, p168(8)
Oct 11, 1989
ISSN: 0263-5720   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

...ABSTRACT: listing is divided into two categories: hardware and
software. Hardware reviews include add-in boards, **backup** and **storage** ,
communications, emulators, compatibles, IBM hardware, monitors, input
devices , **networks** , plotters, printers, portables, and specialist
add-ons. Software reviews include books, accounting packages, business
graphics, cad cam, communications **software** , data **management** , training
programs , integrated **software** and buyer's guides.

14/3,K/131   (Item 40 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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03913043   SUPPLIER NUMBER: 07312846   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Large PC network backup is just beginning to grow up. (Net Assets) (column)
Gerber, Barry
PC Week, v6, n21, p46(1)
May 29, 1989
DOCUMENT TYPE: column   ISSN: 0740-1604   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 507   LINE COUNT: 00038

...   to find the correct version of a file backed up in such a fashion.
     The **archive - management**   **software**   some vendors are beginning to
offer should help here.
     PC   **network**   **backup**   is just beginning to grow up. The hardware
and software for those **multiple** -gigabyte tape **devices**   is settling down.
And we're finally seeing some pretty nice interfaces to all those...

14/3,K/132   (Item 41 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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03009112   SUPPLIER NUMBER: 04322056   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Micrographics is no small business.
Modern Office Technology, v31, n7, p66(4)
July, 1986
ISSN: 0746-3839   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1544   LINE COUNT: 00127

...   PC, XT or AT, these systems handle less than a million documents
and use standard **database**   **management**   **software**   and **PC** -based
networks . They start at $50,000 for filing systems and $12,000 for
retrieval   stations. LaserData is currently offering a system in the small
scale range, a niche that...

14/3,K/133   (Item 42 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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02823178   SUPPLIER NUMBER: 04155202   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Programmable controllers are computer look-alikes.
Rodgers, Robert T.
Foundry Management & Technology, v114, p22(3)
March, 1986
ISSN: 0360-8999   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2251   LINE COUNT: 00184

...   in the PC of time-consuming tasks such as interfacing with RS-232
local area **network** **devices** and performing massive data **storage** and
retrieval operations.
      For years, the control logic was built around ladder diagram
programming, but today most PC manufacturers also offer **control** function
programming in high-level English statements. Moreover, because of the
technological advantages of the microprocessor, PCs...

14/3,K/134   (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02429486
**TALLGRASS TECHNOLOGIES ANNOUNCES 500MB TAPE BACKUP SOLUTION NEW MODEL
    ACHIEVES CAPACITY ON STANDARD DC600 CARTRIDGE**
News Release   October 30, 1989   p. 1

     ... Utilizing   industry   standard   DC600   cartridge   technology, the
FileSECURE 150 provides up to 500MB of affordable **backup** ideal for
medium-to-high capacity applications; including **network** file **servers** ,
sophisticated desktop publishing systems, image processing, and **data
base   management   applications** . The FileSECURE 150 incorporates a
unique data compression option, which increases storage capacity in excess
...

14/3,K/135   (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02323953
**TALLGRASS TECHNOLOGIES ANNOUNCES DIGITAL AUDIO TAPE BACKUP SOLUTION NEW
    MODEL BREAKS PRICE BARRIER FOR HIGH-CAPACITY STORAGE**
News Release   August 25, 1989   p. 1

     ... and storage devica. Utilizing 4mm digital DAT technology, the
FileSECURE 1300 provides a cost-effective **backup** solution for
high-capacity personal computing environments; including **network** file
 servers , sophisticated desktop publishing systems, image processing, and
large **data   base   management   applications** . The FileSECURE 1300
incorporates the DDS data-storage format standard jointly developed by Sony
and...

14/3,K/136   (Item 3 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02305608
INTERPRETER   UNVEILS   INTEGRATED   NETWORK   FAX   CAPABILITIES,   DOCUMENT
MANAGEMENT AND CONVERSION PRODUCTS
News Release   February 28, 1989   p. 1

... providing fully-integrated fax capabilities to all network users.
The company also introduced comprehensive document **management   software**
for networks, featuring full-text search and **retrieval** and automatic
document **archiving** . In addition, Interpreter previewed a vertical
conversion **server** allowing any **network** user to exchange fully-formatted
documents between different PC based word processing programs, standalone
word...

14/3,K/137   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02071390   SUPPLIER NUMBER: 18916965   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Storage: Seagate Software and Pinnacle Micro to provide highest capacity
  5.25" magneto-optical backup solution; Pinnacle Micro Apex drives and
  jukeboxes to include Seagate Software backup solutions. (Pinnacle Micro's
  Vertex and Apex magneto-optical drives)(Product Announcement)
EDGE: Work-Group Computing Report, v7, p31(1)
Nov 25, 1996
DOCUMENT TYPE: Product Announcement   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 700   LINE COUNT: 00062

...   role as secondary storage, and competes directly in price and
performance with mid-range tape **storage** like DAT and 8mm for **backup** of
network   servers and power workstations, while also providing near-line
storage for **storage   management** and HSM **applications** .
   "With backup support for optical **storage** devices and a field-proven
reputation for customer satisfaction, Seagate Software is the best backup
...

14/3,K/138   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02028269   SUPPLIER NUMBER: 18977633   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Pushing SAP R/3 into fourth gear. (CIM software from SAP AG) (Product
  Information)
Huntington-Lee, Jill
INTERNETWORK, v7, n12, p11(2)
Dec, 1996
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 763   LINE COUNT: 00065

...   servers (of which there may be many). CCMS also provides job
scheduling, workload balancing and **database   backups** . But CCMS provides
no window into the health, status or configuration of the underlying
servers or **network** infrastructure supporting the SAP R/8 **application** .
Network **managers** must look to third-party vendors for this.
   Today there are a number of third...

14/3,K/139   (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01972990   SUPPLIER NUMBER: 18579823
Backup for (almost) any network.(Cheyenne Software's ArcServe 6.01 for
  NetWare and 2.01 for Windows NT and ARCserve/Open 2.0a for SCO
  Open-Server Unix)(includes related article summarizing the evaluation)
  (Software Review)(Evaluation)
Wong, William
LAN Magazine, v11, n9, p132(4)
Sep, 1996
DOCUMENT TYPE: Evaluation   ISSN: 1069-5621   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3939   LINE COUNT: 00316

...   does the actual reading and writing of tapes. An ARCserve tape
server can, of course, **back   up** the file server on which it resides, but
it can also **back   up   network** client **computers** , **database** servers,
and file servers. Cheyenne uses **software   agents** , which are installed on
client computers, to gather data that needs to be backed up...including
Windows 3.x, Windows 95, Windows NT, NetWare, Unix, OS/2, and Macintosh.
Optional **application   agents** allow **backup** of **application   servers**
--including **many** SQL **database   servers** , Lotus Notes, and Microsoft
Exchange Server--without taking the application server offline, ARCserve's
robustness...

...backup services to a variety of clients, including Windows machines.
     Applicability: The ARCserve family of **backup** software delivers a
flexible and robust **backup** platform for **backup** of a single **server** ,
multiple   servers , and **multiple** clients. **Application   agents** permit
applications such as **database** servers to be backed up while they're in
operation. ARCserve/Open works equally well...

14/3,K/140   (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01939855   SUPPLIER NUMBER: 18298069   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Artisoft-ware. (Artisoft's software marketing strategy) (Company Business
  and Marketing)
Brambert, Dave
Network VAR, v4, n5, p12(2)
May, 1996
ISSN: 1082-8818   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1087   LINE COUNT: 00094

...   for NetWare software.
     Apple Computer (Cupertino, Calif.) is bundling Legato Systems' (Palo
Alto, Calif.) Data **Backup** Utility (LDBU) for AIX with Apple's **network**
servers . LDBU for AIX is a single system version of Legato's NetWorker
storage   management   software .

14/3,K/141   (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01878767   SUPPLIER NUMBER: 17432232   (USE FORMAT 7 OR 9 FOR FULL TEXT)

Keep it safe.(back-up strategies)(includes related case study)
Charlton, John
Computer Weekly, p48(1)
Sep 28, 1995
ISSN: 0010-4787   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 966   LINE COUNT: 00078

...   going security, reliability and performance. These apply at every
stage of the process, including processors, **storage   devices , network**
and comms facilities and **software .**"
     Marketing **manager** Bob Garrett says **back - ups** are kept for 31 or
93 days depending on what the customers wants, "and there...

 14/3,K/142   (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01853941   SUPPLIER NUMBER: 17507761   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network management.(LAN Buyers Guide Issue)(Buyers Guide)
LAN Magazine, v10, n10, p201(51)
Oct 15, 1995
DOCUMENT TYPE: Buyers Guide   ISSN: 1069-5621   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
·WORD COUNT: 48741   LINE COUNT: 04035

...   and client-based software backs up clients' local drives. Data
management features include on-line **database   backup** and complete
automated network **backups** . 1 unit can **back   up   multiple   servers** on
the **network** .
     ST. BERNARD **SOFTWARE**
     OPEN FILE **MANAGER**
     Open File Manager is a utility added to an existing backup system that
allows it...

 14/3,K/143   (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01798877   SUPPLIER NUMBER: 17066882   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Tape library system. (StorageTek introduces 9704 Tape Library System)(Brief
   Article)(Product Announcement)**
MIDRANGE Systems, v8, n10, p47(1)
May 26, 1995
DOCUMENT TYPE: Brief Article Product Announcement   ISSN: 1041-8237
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 93   LINE COUNT: 00011

TEXT:
     ...Tape Library System, an automated library for 4mm digital audio
tape cartridges. Combined with tape **management   software** , the 9704
provides unattended and centralized data **backup** , recovery and **archival**
functions for UNIX and **PC   network** users. All **backup** and **storage**
procedures as well as user access to **archived** data are controlled through
network **management   software** , making the 9704 transparent to users.

 14/3,K/144   (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01769230   SUPPLIER NUMBER: 16786906   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**LAN management: LANDesk Manager 1.51. (Intel Corp)(Products of the
   Year)(Brief Article)**
LAN Magazine, v10, n4, p60(1)
April, 1995
DOCUMENT TYPE: Brief Article   ISSN: 0898-0012   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 343   LINE COUNT: 00031

...   console.
     The network manager equipped with NMS and LANDesk can now observe and
control desktop **PCs** , **servers** , routers, **network** printers, virus scans,
network traffic, and--with the **StorageExpress** product-- **backup** . LANDesk
features an inventory **manager** , an **application** monitor, a remote
connection manager, and a queue monitor. The LANDesk alert log relays to...

 14/3,K/145   (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01321907   SUPPLIER NUMBER: 07328764   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Companies offer optical integration. (product announcement)
Neubarth, Michael
MIS Week, v10, n23, p11(1)
June 5, 1989
DOCUMENT TYPE: product announcement   ISSN: 0199-8838   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1072   LINE COUNT: 00088

...   J., has introduced a software program that extends the capabilities
of its Document Manager file **management** and **retrieval** **program** to
allow the system to operate across optical and magnetic disk-based **network**
   servers . Called Optical **Archiver** , it is priced at less than $8,000.
        The system works with Syntrex optical storage...

 14/3,K/146   (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01226819   SUPPLIER NUMBER: 06306454
**Network application servers can be the key to accessing distributed
   information. (includes article 'Network Server Application for Growth and
   Versatility')**
Gezelter, Robert
Hardcopy, v8, n3, p62(4)
March, 1988
ISSN: 0279-8123   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

...ABSTRACT: access basis, while allowing users at different sites to
access network resources. Servers rather than **application** **programs**
enforce **database** **controls** . They also stand guard over resources in
their control, eliminating unauthorized system entries. It is simple to
implement **network** **servers** , and most servers maintain audit and **backup**
records of their activities. DECnet's pre-written servers include: Remote
Terminal Ancillary Control Processor...

14/3,K/147   (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01212992   SUPPLIER NUMBER: 06126898   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Datability software boost a file-server functions of VAX. (Section II:
   Connectivity) (product announcement)
Sustar, Lee
PC Week, v4, n49, pC1(3)
Dec 8, 1987
DOCUMENT TYPE: product announcement   ISSN: 0740-1604   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1636   LINE COUNT: 00124

ABSTRACT: Datability Software Systems Inc introduces its new File Access
and **Control   Software** (FACS) for DEC VAX hosts. The transparent **storage**
 and **retrieval** system for microcomputer files positions VAX as a top
competitor with local area **network** (LAN) file **servers** . The product is
an extension of Datability's Remote Access Facility (RAF) that connects
microcomputers...

14/3,K/148   (Item 12 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01155485   SUPPLIER NUMBER: 04246329
Iomega introduces new Bernoulli Box. (product announcement)
Computer Retail News, n153, p67(1)
May 19, 1986
DOCUMENT TYPE: product announcement   ISSN: 0744-673X   LANGUAGE:
   ENGLISH   RECORD TYPE: ABSTRACT

...ABSTRACT: Plus from Iomega Corp., priced at $5,995, is especially
designed for users of large **data   bases** and **network** file **servers** .
The unit contains two 20Mbyte removable-cartridge hard disk drives and an
80mbyte tape- **backup** system which uses Q-DOS file **management   software**
to permit online access to files stored on tape. Should a hard disk fail,
users...

14/3,K/149   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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01155614   Supplier Number: 41877681 (USE FORMAT 7 FOR FULLTEXT)
ARCHIVE*SOL VERSION 2.3 PROVIDES DISTRIBUTED ARCHIVING, BACKUP AND DATA
   TRANSFERS IN MULTIVENDOR UNIX AND VMS NETWORKS, DIRECTLY ACCESSES DATA
   RESIDING IN SQL DATABASES.
News Release, pN/A
Feb 20, 1991
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 677

...   Quebec, February 20, 1991-- Computertime Network
    Corporation is now shipping version 2.3 of its **storage   management**
      software , ARCHIVE
*SQL. The new release rates across multivendor UNIX

and VAX/VMS **networks** . Each **computer** in the **network** can act as a
client, server of both. Users on any computer system can **backup** ,
archive or transfer data, either files or SQL database tables (or
selected portions) anywhere in the...

14/3,K/150   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01126762   Supplier Number: 41012983 (USE FORMAT 7 FOR FULLTEXT)
**EMERALD SYSTEMS ANNOUNCES DATA MANAGEMENT SOFTWARE FOR COMPAQ'S EISA
   SYSTEMS**
News Release, p1
Nov 6, 1989
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1066

...   media to determine which
     tape is storing a specific file or groups of files. The **software**
     manages   backup onto **multiple** offline **storage   devices**
, regardless of
     device or recording format.

          On October 10, Emerald Systems announced it would begin...

14/3,K/151   (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01123884   Supplier Number: 40976636 (USE FORMAT 7 FOR FULLTEXT)
**EMERALD SYSTEMS TO PROMOTE ITS NOVELL-BASED PC NETWORK STORAGE SOFTWARE AS
   INDUSTRY STANDARD THROUGH KEY COMPUTER, TAPE OEMs**
News Release, p1
Oct 10, 1989
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 919

...   network files.

     The highest level in the network storage management hierarchy is
     addressed by EmLIB **software** , which **manages** both centralized and
     distributed **backup** onto **multiple** offline **storage   devices**
, thereby
     bridging **various** recording technologies and formats, and providing,
     in essence, a de facto recording format standard within...

14/3,K/152   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04202428   Supplier Number: 54948581 (USE FORMAT 7 FOR FULLTEXT)
**LEGATO SYSTEMS: Legato partners with Auspex Systems to deliver open,
   scalable data protection solutions.**
M2 Presswire, pNA
June 18, 1999

Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 891

...   while providing users with 24x7 access to mission critical data.
This in turn increases the **backup** performance delivered by Legato's
integrated set of enterprise **storage** **management** **software** products.
Auspex's **network** attached file **servers** , combined with Legato's data
protection software, provides customers with centralised system and data
management...

 14/3,K/153   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03977831   Supplier Number: 53014968   (USE FORMAT 7 FOR FULLTEXT)
MTI: MTI introduces Gladiator Enterprise 3600 fibre channel storage.
M2 Presswire, pNA
Sept 16, 1998
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 716

...   such as imaging, data mining, large enterprise data warehouses,
binary large objects (BLOBS) and mammoth **database** **servers** .
     Multiple application **servers** can access **storage** that is
consolidated in a single, large- scale array, thereby simplifying **backup**
and data management activities. As an architecturally redundant **storage**
solution, the 3600 uses MTI's RAIDManager, an easy- to-use **application**
for **managing** and monitoring **storage** in cross-platform and client/server
environments.
     Fibre channel technology offers new opportunities for enterprises...

 14/3,K/154   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03753557   Supplier Number: 48119067   (USE FORMAT 7 FOR FULLTEXT)
STRATUS: Daly & Wolcott and Stratus to market app software for
  distribution, warehousing, and retailing
M2 Presswire, pN/A
Nov 12, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 931

...   Continuum systems' fault-tolerant features.
     Stratus RADIO Cluster, based on Intel Pentium Pro processors, combines
 redundant application **servers** , **storage** , and **network** **servers** into
a completely integrated clustered system. Its embedded cluster **management**
 software provides continuous, fault-tolerant systems management and
remote maintenance for problem diagnosis that eliminates costly...

 14/3,K/155   (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03597003   Supplier Number: 47446430   (USE FORMAT 7 FOR FULLTEXT)
**SUN MICROSYSTEMS: Scalable, enterprise-class storage management software
  available**
M2 Presswire, pN/A˙
June 6, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1040

...   its SolarisTM operating environment, Sun Microsystems, Inc. today
announced availability of a new family of **storage   management   software**
products and services. Sun's enterprise **storage   management   software**
family is scalable to support thousands of **nodes** and **multiple** terabytes
of data. It allows high-performance hot or cold **database** and file system
backup and administration and dynamic disk **storage**
configuration-maximizing system availability and enabling users to access
and protect data 24 hours a...

 14/3,K/156   (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03415478   Supplier Number: 47030632   (USE FORMAT 7 FOR FULLTEXT)
STORAGETEK: StorageTek forms alliances,
M2 Presswire, pN/A
Jan 13, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 887

...   information in the telecommunications and public utility sectors.
State and federal agency applications might include **archiving** education
records, **managing   application** forms or taxpayer correspondence.
      Storage Technology Corp., based in Louisville, Colo., designs,
manufactures, markets and services, worldwide, information **storage** and
retrieval systems for enterprisewide **computer** systems and **networks** .
StorageTek 's Network Systems Group helps organizations avoid risk through
the application of data- protection technologies...

 14/3,K/157   (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03415477   Supplier Number: 47030631   (USE FORMAT 7 FOR FULLTEXT)
**STORAGETEK: StorageTek emphasizes document management solutions across
  multiple industries**
M2 Presswire, pN/A
Jan 13, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 889

...   information in the telecommunications and public utility sectors.
State and federal agency applications might include **archiving** education
records, **managing   application** forms or taxpayer correspondence.
      Storage Technology Corp., based in Louisville, Colo., designs,
manufactures, markets and services, worldwide, information **storage** and
retrieval systems for enterprisewide **computer** systems and **networks** .

StorageTek 's Network Systems Group helps organizations avoid risk through the application of data- protection technologies...

 14/3,K/158   (Item 7 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03405716   Supplier Number: 47009088   (USE FORMAT 7 FOR FULLTEXT)
SEAGATE SOFTWARE OFFERS CERTIFIED NETWARE SERVER-BASED BACKUP
LAN Product News, v9, n1, pN/A
Jan 1, 1997
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 639

...   a network-wide solution, capable of backing up a heterogeneous mix of local and remote **network   servers** , Internet **servers** , intranet servers, and desktop computers.
     Seagate **Backup** Exec, Seagate **Backup** Director, and Seagate **Storage Manager   applications** provide comprehensive protection through full compliance with Novell's **Storage   Management** Services (SMS). Seagate **Software** Solutions provide "plug and play" compatibility with all Novell Target Service Agents for compatibilty with...

 14/3,K/159   (Item 8 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03359845   Supplier Number: 46910938   (USE FORMAT 7 FOR FULLTEXT)
SEAGATE SOFTWARE: Highest capacity 5.25" magneto-optical backup solution
M2 Presswire, pN/A
Nov 22, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 832

...   role as secondary storage, and competes directly in price and performance with mid-range tape **storage** like DAT and 8mm for **backup** of **network   servers** and power workstations, while also providing near-line **storage** for **storage   management** and HSM **applications** .
     "With backup support for optical **storage** devices and a field-proven reputation for customer satisfaction, Seagate Software is the best backup ...

 14/3,K/160   (Item 9 from file: 636)
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03351090   Supplier Number: 46890080   (USE FORMAT 7 FOR FULLTEXT)
SEAGATE SOFTWARE: Seagate embraces Microsoft Windows NT media services and High Ground systems extensions
M2 Presswire, pN/A
Nov 14, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 699

...   media libraries across the enterprise. Development to the NTMS API
will provide users of Seagate **Software** 's **storage   management
applications** the mean to share **storage** resources among multiple
applications like **backup** and HSM; manage, track and maintain the usage of
 secondary   storage   devices like tape, optical and robotic systems; and
perform life-cycle management of secondary storage media...

 14/3,K/161   (Item 10 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03340842   Supplier Number: 46867259 (USE FORMAT 7 FOR FULLTEXT)
**SEAGATE SOFTWARE: Seagate Software embraces Windows NT Media Services and
  HighGround Systems Extensions**
M2 Presswire, pN/A
Nov 5, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 790

...   media libraries across the enterprise. Development to the NTMS API
will provide users of Seagate **Software** 's **storage   management
applications** the means to share **storage** resources among multiple
applications like **backup** and HSM; manage, track and maintain the usage of
 secondary   storage   devices like tape, optical and robotic systems; and
perform life-cycle management of secondary storage media...

 14/3,K/162   (Item 11 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03327109   Supplier Number: 46840577 (USE FORMAT 7 FOR FULLTEXT)
**BREECE HILL: Breece Hill to support new network data management protocol
  open standard**
M2 Presswire, pN/A
Oct 30, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 483

...   lessen the complexity of managing and backing up critical data
using any combination of compliant **network** -attached file **servers , back
- up** devices and **management   applications** . The objective of this open
standard is to make every **network** -attached **storage   device   backup**
ready, enabling true plug-and-play operation.
     Additionally, users will not be required to install...

 14/3,K/163   (Item 12 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02986433   Supplier Number: 46089595 (USE FORMAT 7 FOR FULLTEXT)
HARBOR SYSTEMS MANAGEMENT SOFTWARE CHANGES HANDS
Report on IBM, v13, n4, pN/A
Jan 24, 1996
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade

Word Count: 915

...   servers to utilize the mainframe's high capacity, integrity,
security and performance for enterprise data **storage**
     * HARBOR Distributed **Storage   Server** : allows **network**
administrators to locally store **backup** data while retaining centralized
host control of operations and security, greatly reducing data recovery
time and transmission costs
     * HARBOR Distribution: **manages** the deployment of **applications** ,
data, and software packages to thousands of networked computers
simultaneously
     * HARBOR Transport: a high-speed...

 14/3,K/164   (Item 13 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02792953   Supplier Number: 45665989   (USE FORMAT 7 FOR FULLTEXT)
**KARDEX SYSTEMS - ROBOTIC HANDLING AND STORAGE SYSTEM AT WELLCOME HAS A
  MAJOR IMPACT ON DRUG DISCOVERY**
M2 Presswire, pN/A
July 13, 1995
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1405

...   robot that stores, retrieves and processes compounds for testing
from a Kardex Industriever, an automated **storage** and **retrieval** vertical
carousel for small to medium parts. A **network** of **computers** runs the
Haystack **software** that **controls** the robot and the Kardex Industriever
and tracks and manages compounds through the system.
     Haystack...

 14/3,K/165   (Item 14 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02759105   Supplier Number: 45599796   (USE FORMAT 7 FOR FULLTEXT)
IMAGING LEADER PLANS PRODUCT LINE EXPANSION
Electronic Claims Processing Report, v3, n12, pN/A
June 12, 1995
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 905

...   are positioned primarily in the documentation management
mid-market.
     Optika also is expanding its hierarchical **storage   management** ,
making **software** media independent and allowing users to store images on
their choice of platforms, including optical, magnetic or CD-ROM.
     Several new **server** modules are in the works, too, including real-
time image **backup** , image enhancement, voice, OCR and job-process control
servers. The company advocates a mirrored-server...

 14/3,K/166   (Item 15 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02688284   Supplier Number: 45452206 (USE FORMAT 7 FOR FULLTEXT)
STORAGE: LEGATO SYSTEMS PARTNERS WITH MAINFRAME STORAGE MANAGEMENT
  PROVIDERS; INTRODUCES INDUSTRY'S MOST COMPREHENSIVE SET OF SOLUTIONS FOR
  BACKING UP NETWORK-BASED DATA TO EXISTING MAINFRAME STORAGE SYSTEMS
EDGE: Work-Group Computing Report, v6, n254, pN/A
April 3, 1995
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1243

...   com.
    Legato Systems, Inc., headquartered in Palo Alto, is the leader of
scalable network data **storage   management   software** products that
simplify administration for networked computers. Legato NetWorker is the
first client/ **server   network   storage   management   application** that
is independent of hardware platforms, operating systems, and **backup**
devices.
    Legato's family of network storage management products provides
seamless, centralized and fully automated...

 14/3,K/167   (Item 16 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02640998   Supplier Number: 45348299 (USE FORMAT 7 FOR FULLTEXT)
STORAGE: STORAGETEK DSD INTRODUCES COMPACT, 4MM DAT CARTRIDGE LIBRARY FOR
  UNIX, PC NETWORKS
EDGE: Work-Group Computing Report, v6, n248, pN/A
Feb 20, 1995
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 522

    The 9704, when combined with tape **management   software** , provides
unattended and centralized data **backup** , recovery and **archival** functions
for UNIX and **PC   network** users.
    It is the first automated tape library designed exclusively for the
UNIX and PC...

 14/3,K/168   (Item 17 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02620396   Supplier Number: 45303334 (USE FORMAT 7 FOR FULLTEXT)
POLYCENTER NETWORKER SAVE AND RESTORE ADDS CLIENTSIDE ARCHIVING, WINDOWS NT
  FOR INTEL SUPPORT
Computer Protocols, v8, n2, pN/A
Feb, 1995
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 346

...   Legato Systems, Inc., headquartered in Palo Alto, Calif., is the
leader in scalable network data **storage   management   software** products
that simplify administration for networked computers. Legato NetWorker is
the **first** client/ **server   network   storage   management   application**
that is independent of hardware platforms, operating systems and **backup**

devices.

14/3,K/169   (Item 18 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02619803   Supplier Number: 45302111   (USE FORMAT 7 FOR FULLTEXT)
STORAGETEK DSD DEBUTS 4MM DAT CARTRIDGE LIBRARY
PCNetter, v10, pN/A
Feb, 1995
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 286

    The 9704, when combined with tape- **management   software** , provides
unattended and centralized data **back - up** , recovery, and **archival**
functions for UNIX and **PC   network** users.
    The 9704's form factor, measuring 5.75 inches high x 8.5 inches...

14/3,K/170   (Item 19 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02547561   Supplier Number: 45138674   (USE FORMAT 7 FOR FULLTEXT)
STORAGE: EMC FIRST-TO-MARKET WITH MAINFRAME-CLASS STORAGE FOR OPEN SYSTEMS
EDGE: Work-Group Computing Report, v5, n234, pN/A
Nov 14, 1994
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 740

...   reliable and accessible throughout the enterprise."
    EMC also announced that it intends to provide Centriplex **Backup** in
the first half of 1995, providing users with large **databases   on multiple**
 open systems **servers** with high-speed **backup** and restore of
information. Centriplex **Backup** will enhance the Centriplex ES series with
high-performance client/server **storage   management   software** and will
be based on an enhanced version of Epoch Backup from Epoch, Inc., a...

14/3,K/171   (Item 20 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02546301   Supplier Number: 45135587   (USE FORMAT 7 FOR FULLTEXT)
EMC DIVERSIFIES, TAKING ITS DISK ARRAYS IN ALL DIRECTIONS
Computergram International, n2543, pN/A
Nov 14, 1994
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 456

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Array kicks off with the Centriplex Enterprise Series for "virtually
every major type of Unix **server** and **network** operating system. It plans
Centriplex **Backup** in the first half of 1995, providing users with large

databases on **multiple** open systems **servers** with high-speed **back - up**
and restore of information, using client-server **storage management**
software based on an enhanced version of Epoch Back-up from Epoch Inc, the
company acquired...

14/3,K/172   (Item 21 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02449354   Supplier Number: 44890756 (USE FORMAT 7 FOR FULLTEXT)
ACQUISITION: SEAGATE EXPANDS DATA TECHNOLOGY HOLDINGS WITH ACQUISITION OF
** PALINDROME**
EDGE: Work-Group Computing Report, v5, n219, pN/A
August 1, 1994
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 683

...   California-based independent market research firm Peripheral
Strategies, Inc. said, "Palindrome has the best automated **storage**
management software for **PC LAN networks** . The acquisition of
Palindrome positions Seagate to accelerate the consolidation of the highly
fragmented **backup** market for NetWare-based networks and better take
advantage of the significant growth opportunity in...

14/3,K/173   (Item 22 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02152086   Supplier Number: 44027739 (USE FORMAT 7 FOR FULLTEXT)
Briefs
Network Management Systems & Strategies, v5, n16, pN/A
August 10, 1993
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 432

     The Aria suite includes **Back - up** Plus, a high distributable **backup**
 and recovery product designed for 1,000+ **node networks ; Server**
Migration Manager, an hierarchical **storage management** product designed
for **applications** that need 20 or more gigabytes; Client Migration
Manager, a portable, non-intrusive migrator that...

14/3,K/174   (Item 23 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01777623   Supplier Number: 42961922 (USE FORMAT 7 FOR FULLTEXT)
NEW STORAGE MANAGEMENT SOFTWARE OPERATES ACROSS UNIX NETS
UNIX Update, v3, n5, pN/A
May, 1992
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 600

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:

Computertime Network Corporation is now offering version 2.3 of its
storage   management   software , **ARCHIVE** *SQL. The new release operates
across multivendor UNIX and VAX/VMS **networks** . Each **computer** in the
network can act as a client, server or both. Users on any computer system
can **backup** , **archive** or transfer data, either files or SQL database
tables (or selected portions) anywhere in the...

 14/3,K/175   (Item 24 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01777023   Supplier Number: 42960874   (USE FORMAT 7 FOR FULLTEXT)
**NEW VERSION OF ARCHIVE*SQL PROVIDES DISTRIBUTED ARCHIVING AND DATA
  TRANSFERS IN MULTIVENDOR NETWORKS**
Networks Update, v4, n5, pN/A
May, 1992
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 600

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
Computertime Network Corporation is now offering version 2.3 of its
storage   management   software , **ARCHIVE** *SQL. The new release operates
across multivendor UNIX and VAX/VMS **networks** . Each **computer** in the
network can act as a client, server or both. Users on any computer system
can **backup** , **archive** or transfer data, either files or SQL database
tables (or selected portions) anywhere in the...

 14/3,K/176   (Item 25 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01203351   Supplier Number: 41151751   (USE FORMAT 7 FOR FULLTEXT)
TALLGRASS TECHNOLOGIES OFFERS 500MB TAPE BACKUP SOLUTION
PC Business Products, v2, n2, pN/A
Feb, 1990
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 619

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Utilizing industry standard DC600 cartridge technology, the FileSECURE
150 provides up to 500MB of affordable **backup** ideal for medium-to-high
capacity applications; including **network** file **servers** , sophisticated
desktop publishing systems, image processing, and **data   base   management**
  applications .

 14/3,K/177   (Item 26 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01185753   Supplier Number: 41092148   (USE FORMAT 7 FOR FULLTEXT)
Higher Capacity For 1/4 Inch Tape
Data Storage Report, pN/A
Jan, 1990

Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 695

...   industry standard DC600 cartridge technology, the tape subsystem
provides up to 500 Mbytes of affordable **backup** , ideal for medium-to-high
capacity applications, including **network** file **servers** , sophisticated
desktop publishing systems, image processing, and **database   management
applications** .
      "The FileSecure 150 is the first product within our industry to
cost-effectively address storage...

  14/3,K/178   (Item 27 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01164052   Supplier Number: 41003436   (USE FORMAT 7 FOR FULLTEXT)
Fast access
Data Storage Report, v5, n9, pN/A
Nov, 1989
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 168

...   excess of 2 Gbytes on a single tape cartridge. The system provides
a cost-effective **backup** solution for high-capacity personal computing
environments; including **network** file **servers** , sophisticated desktop
publishing systems, image processing, and large **database   management**
applications .
      COPYRIGHT 1989 Elsevier Science Publishers B.V.

  14/3,K/179   (Item 28 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01153658   Supplier Number: 40964671   (USE FORMAT 7 FOR FULLTEXT)
TALLGRASS TECHNOLOGIES OFFERS NEW DIGITAL AUDIO TAPE BACKUP
PC Business Products, v1, n10, pN/A
Oct, 1989
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 648

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...and storage device. utilizing 4mm digital DAT technology, the FileSECURE
1300 provides a cost-effective **backup** solution for high-capacity personal
computing environments; including **network** file **servers** , sophisticated
desktop publishing systems, image processing, and large **data   base
management   applications** ,

04850570   Supplier Number: 47135619   (USE FORMAT 7 FOR FULLTEXT)
ADIC Files Registration Statement for Public Offering of 1,725,000 Shares of Stock.
Business Wire, p02180084
Feb 18, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 398

...   by third parties to provide highly automated data storage protection. When used with third-party **storage   management   software** , the Company's products can perform sophisticated **backup** and **archiving** of electronic data residing across a complex **network** of **PCs** , **workstations** and servers with minimal human intervention. The Company's product family operates in both PC...

 14/3,K/60   **(Item 23 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)

04806656   Supplier Number: 47072135   (USE FORMAT 7 FOR FULLTEXT)
StorageTek's Automated Cartridge System Library Software now supported by Software Partners/32.
Business Wire, p01280047
Jan 28, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 632

...   restore products and has a long history of providing consulting and training services for information **management** strategies. **Software** Partners is privately held.
        Storage Technology Corp., based in Louisville, Colo., designs, manufactures, markets and services, worldwide, information **storage** and **retrieval** systems for enterprisewide **computer** systems and **networks** . **StorageTek** 's Network Systems Group helps organizations avoid risk through the application of data-protection technologies...

 14/3,K/61   **(Item 24 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)

04776004   Supplier Number: 47030311   (USE FORMAT 7 FOR FULLTEXT)
StorageTek forms alliances, emphasizes document management solutions across multiple industries.
Business Wire, p01130090
Jan 13, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 852

...   information in the telecommunications and public utility sectors. State and federal agency applications might include **archiving** education records, **managing   application** forms or taxpayer correspondence.
        Storage Technology Corp., based in Louisville, Colo., designs, manufactures, markets and services, worldwide, information **storage** and

retrieval systems for enterprisewide **computer** systems and **networks** .
StorageTek 's Network Systems Group helps organizations avoid risk through
the application of data- protection technologies...

14/3,K/62   (Item 25 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04712188   Supplier Number: 46937850   (USE FORMAT 7 FOR FULLTEXT)
Seagate Software is First With Certified Netware Server-Based Backup for
  Novell IntranetWare; Novell Labs Says "YES" to Seagate Software Backup
  Compatibility.
Business Wire, p12021121
Dec 2, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 712

...   a network-wide solution, capable of backing up a heterogeneous mix
of local and remote **network   servers** , Internet **servers** , intranet
servers, and desktop computers.
     Seagate **Backup** Exec, Seagate **Backup** Director, and Seagate **Storage**
  Manager   applications provide comprehensive protection through full
compliance with Novell's **Storage   Management** Services (SMS). Seagate
Software Solutions provide "plug and play" compatibility with all Novell
Target Service Agents for compatibilty with...

14/3,K/63   (Item 26 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04700513   Supplier Number: 46918931   (USE FORMAT 7 FOR FULLTEXT)
Storage: Seagate Software and Pinnacle Micro to Provide Highest Capacity
  5.25" Magneto-Optical Backup Solution; Pinnacle Micro Apex drives and
  jukeboxes to include Seagate Software backup applications
EDGE: Work-Group Computing Report, pN/A
Nov 25, 1996
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 644

...   role as secondary storage, and competes directly in price and
performance with mid-range tape **storage** like DAT and 8mm for **backup** of
network   servers and power workstations, while also providing near-line
storage for **storage   management** and HSM **applications** .
     "With backup support for optical **storage** devices and a field-proven
reputation for customer satisfaction, Seagate Software is the best backup
...

14/3,K/64   (Item 27 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04691796   Supplier Number: 46905513   (USE FORMAT 7 FOR FULLTEXT)
Seagate Software and Pinnacle Micro to Provide Highest Capacity 5.25"
  Magneto-Optical Backup Solution; Pinnacle Micro Apex drives and jukeboxes
  to include Seagate Software backup applications for Windows NT, NetWare

and Windows.
Business Wire, p11200149
Nov 20, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 776

...   role as secondary storage, and competes directly in price and
performance with mid-range tape **storage** like DAT and 8mm for **backup** of
network   servers and power workstations, while also providing near-line
storage for **storage   management** and HSM **applications** .
    "With backup support for optical **storage** devices and a field-proven
reputation for customer satisfaction, Seagate Software is the best backup
... .

  14/3,K/65   (Item 28 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04687015   Supplier Number: 46898926   (USE FORMAT 7 FOR FULLTEXT)
Protocol may simplify network file backup
Computerworld, p48
Nov 18, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 229

...   NDMP-compliant.
    Some users said that would simplify and increase the performance of
network file **backup** . Data **management   software** vendors currently must
connect their software to each combination of an application **server**
platform and **network** -attached **storage   device** .
    "NDMP should produce a lot more flexibility for us in our area
networks. Now, it...

  14/3,K/66   (Item 29 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04666048   Supplier Number: 46866771   (USE FORMAT 7 FOR FULLTEXT)
At Enterprise Management Summit, PLATINUM technology solves complex
  real-world IT scenario with its Integrated Systems Management Solution.
Business Wire, p11050063
Nov 5, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1130

...   tool for relational databases and applications in a distributed
environment.
    - PLATINUM NetArchive -- automated file-system **backup** and
hierarchical **storage** management (HSM) system.
    - PLATINUM ServerVision (performance monitoring and management tool
for networked **servers** .)
    - PLATINUM WireTap -- **network / application** performance monitoring
and **management** tool.
    In addition to systems management solutions, PLATINUM also provides
solutions for four other major...

14/3,K/67   (Item 30 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04661700   Supplier Number: 46860488   (USE FORMAT 7 FOR FULLTEXT)
**Seagate Software Embraces Microsoft Windows NT Media Services and
  HighGround Systems Extensions; Improvements to storage resource
  management will deliver mainframe-class solutions to enterprise networks.**
Business Wire, p11040054
Nov 4, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 733

...   media libraries across the enterprise. Development to the NTMS API
will provide users of Seagate **Software** 's **storage   management
applications** the means to share **storage** resources among multiple
applications like **backup** and HSM; manage, track and maintain the usage of
 secondary   storage   devices like tape, optical and robotic systems; and
perform life-cycle management of secondary storage media...

14/3,K/68   (Item 31 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04648102   Supplier Number: 46838134   (USE FORMAT 7 FOR FULLTEXT)
**BREECE HILL TO SUPPORT NEW NETWORK DATA MANAGEMENT PROTOCOL OPEN STANDARD;
  ADDRESSES COMPLEXITIES OF BACKING UP HETEROGENEOUS FILE SERVERS.**
Business Wire, p10290111
Oct 29, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 430

...   lessen the complexity of managing and backing up critical data
using any combination of compliant **network** -attached file **servers ,   back
- up** devices and **management   applications** .
    The objective of this open standard is to make every **network**
-attached **storage   device   backup** ready, enabling true plug-and-play
operation.
    Additionally, users will not be required to install...

14/3,K/69   (Item 32 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04645939   Supplier Number: 46835028   (USE FORMAT 7 FOR FULLTEXT)
Backup vendors form initiative for network storage protocol
PC Week, p38
Oct 28, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 284

    NDMP (Network Data Management Protocol) would enable plug-and-play
backup between a **network** file **server** , or **network** -attached **storage**

Bode Akintola   09-Jun-03

device acting as a file server, and **management   software** running on different hosts.

    The protocol promises to enable users to **back   up   Network** File System **servers** or **network** -attached **devices** , which are each built as network appliances without a general-purpose operating system running.
    The...

 14/3,K/70   (Item 33 from file: 16)
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04644783   Supplier Number: 46833472   (USE FORMAT 7 FOR FULLTEXT)
Spec to Simplify Network Storage
CommunicationsWeek, p24
Oct 28, 1996
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 485

...   typical network-attached storage, data files are stored and retrieved using dedicated servers. Today, data **management   software** vendors must port their software to each combination of application **server** platforms and **network** -attached **storage   devices** .
    NDMP is designed to make every **network** -attached **storage   device backup** -ready, while enabling plug-and-play **backup** operation. Users won't be required to install additional software on an NDMP-compliant **network storage   device** .
    "There is a very strong movement to centralize servers and consolidate storage, and direct-attached...

 14/3,K/71   (Item 34 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04596257   Supplier Number: 46757484   (USE FORMAT 7 FOR FULLTEXT)
ROBOTIC STORAGE AND HANDLING HAS MAJOR IMPACT
Pharmaceutical Manufacturing Review, p16
Oct, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1165

...   robot that stores, retrieves and processes compounds for testing from a Kardex Industriever, an automated **storage** and **retrieval** vertical carousel for small to medium parts. A **network** of **computers** runs the Haystack **software** that **controls** the robot and the Kardex Industriever and tracks and manages compounds through the system.
    Haystack...

 14/3,K/72   (Item 35 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04364471   Supplier Number: 46401022 (USE FORMAT 7 FOR FULLTEXT)
HP Intros DLT Tape Libraries For Midrange Unix 05/20/96
Newsbytes, pN/A
May 20, 1996

Language: English   Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 957

        HP's new robotic tape libraries are targeted at the multivendor "Unix
midrange market," for " **server   backup** , client/ **network   backup** , and
VLDB (very large **database   backup**)," along with HSM (hierarchical
storage   management) and **archival   applications** , Caputo maintained, in
the pre- briefing for Newsbytes on HP's recent Boston press tour...

 14/3,K/73   (Item 36 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04325988   Supplier Number: 46341444   (USE FORMAT 7 FOR FULLTEXT)
Seagate Software, Storage Management Group First to Receive the Microsoft
  BackOffice Logo for Microsoft Exchange Server Data Protection; Seagate
  Backup Exec for Microsoft Exchange Server Module Ensures Reliable and
  Cost-Effective Backup for Users of Microsoft BackOffice.
Business Wire, p04300308
April 30, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 647

    (USE FORMAT 7 FOR FULLTEXT)
TEXT:
ORLANDO, Fla.--(BUSINESS WIRE)--April 30, 1996--Seagate **Software** ,
Storage   Management Group (SMG), the combination of Arcada Software and
Palindrome, today announced that its Seagate **Backup** Exec for Microsoft
Windows NT Server module for Microsoft Exchange **Server** is the **first**
Microsoft Exchange **backup** product to receive the Microsoft BackOffice
Logo.

 14/3,K/74   (Item 37 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04301580   Supplier Number: 46304722   (USE FORMAT 7 FOR FULLTEXT)
Let's Do Takeout
PC Week, pE01
April 15, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 808

...   welcome relief to harried IS managers looking to offload such tasks
as asset management, remote **network** monitoring, remote **server**
monitoring, **software** update **management** , and **backup** and **archiving**
services.
    "The day-to-day mountain of management tasks is getting to the point
where...

 14/3,K/75   (Item 38 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04291558   Supplier Number: 46289201 (USE FORMAT 7 FOR FULLTEXT)
This Exchange is making additions; Seagate, Cheyenne enable administration
PC Week, p043
April 8, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 419

        Seagate, Cheyenne enable administration
        Seagate **Software   Storage   Management** Group and Cheyenne **Software**
 Inc. unveiled at NetWorld+Interop in Las Vegas last week new **backup**
software aimed at easing integration with Microsoft Corp.'s Exchange
Server and increasing **network** administrators' capabilities of providing
online **backups** .
        Seagate, of Lake Mary, Fla., introduced a Seagate **Backup** Exec for
Windows NT module for Exchange, with which network managers can perform
unattended backup...

   14/3,K/76   (Item 39 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04279707   Supplier Number: 46270244   (USE FORMAT 7 FOR FULLTEXT)
Backing Up The Enterprise
InformationWeek, p72
April 1, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 3365

...   are directly comparable for my configuration, but the packages will
run better with faster hardware.
        Storage   Manager 4.0D
        Seagate **Software** 's **Storage   Manager** , acquired from Palindrome,
could not completely back up my test configuration. The current software
will not **back   up** a Unix system unless you have a NetWare **server** on
your **network** to act as an NFS gateway to the Unix disks. Actually,
Seagate only provides native...

   14/3,K/77   (Item 40 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04217768   Supplier Number: 46170760   (USE FORMAT 7 FOR FULLTEXT)
Legato Systems and Apple Computer announce a unique software opportunity
  for customers of Apple's family of network servers.
Business Wire, p02260035
Feb 26, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 493

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...WIRE)--Feb. 26, 1996--Legato Systems, Inc. (NASDAQ: LGTO), a worldwide
leader in the enterprise **storage   management   software** market, today
announced that Apple Computer will bundle Legato's Data **Backup** Utility
(LDBU) for UNIX (AIX version) with each unit of Apple's high performance

network   server (see related February 26 Apple announcement.)....

 14/3,K/78   (Item 41 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04065052   Supplier Number: 45917665 (USE FORMAT 7 FOR FULLTEXT)
Legato rolls out on-line backup for Oracle7
InfoWorld, p008
Nov 6, 1995
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 301

    Legato's NetWorker ODM (Oracle **Database** Module) will **back   up**
live Oracle Corp. **databases** , do partial **database   backup** , and support
multiplexing of data to **multiple   storage   devices** .
    NetWorker ODM uses Oracle's new **Backup** /Restore Utility -- previously
called OBackup -- which Oracle ships free and which provides an API for
backup **applications** .
    The Oracle utility **manages** live **database** backup sessions and
database configuration details; Legato's software formats the data and
manages the media.
    Legato, based in...

 14/3,K/79   (Item 42 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03641230   Supplier Number: 45136582
EMC gives mainframes storage options to open systems
InfoWorld, p56
Nov 14, 1994
Language: English   Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...shared among several different systems, offers processor-independent
storage for a broad range of Unix **servers** and **network** operating
systems. The Centriplex system also offers automatic **backup** for **multiple**
  servers through high-performance client/server **storage   management**
software based on an enhanced version of EpochBackup. Up to 9 servers can
be attached to...

 14/3,K/80   (Item 43 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03625010   Supplier Number: 45108928 (USE FORMAT 7 FOR FULLTEXT)
MULTIMEDIA: ADVANCING SERVICES: DEPLOYING HFC NETWORKS FOR CUTTING-EDGE
  OFFERINGS
America's Network, pS13
Nov 1, 1994
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1458

Bode Akintola   09-Jun-03

...   store and retrieve pre-recorded full-motion video content for
delivery across a broadband digital **network** . Video **servers** generally
incorporate a hierarchy of **storage** and **retrieval** options, from tape to
semiconductor-based **storage** .
     With the proper combination of outputs and **control** **software** , the
same video server can handle multiple applications. It can generate new
revenues through digital...

 14/3,K/81   (Item 44 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03552374   Supplier Number: 44987972
Storage-management app due from Palindrome
PC Week, p135
Sept 12, 1994
Language: English   Record Type: Abstract
Document Type: Magazine/Journal; Tabloid; General Trade

ABSTRACT:
...of a network to be centrally monitored. If the network fails, remote
managers can take **control** of **backup** **software** and hardware **devices**
on the **network** . The package will initially work only with Palindrome's
hierarchical **storage** management and Network **Archivist** **backup** systems,
although future releases will support 3rd-party products. The software will
work on top...

 14/3,K/82   (Item 45 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03479527   Supplier Number: 44862850   (USE FORMAT 7 FOR FULLTEXT)
Open Systems Support Leads MTI Expansion
CommunicationsWeek, p23
July 25, 1994
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 399

...   the SCSI cabinet to a specific host or network. Prices vary by
configuration.
     Oasis data **management** **software** targets distributed client/ **server**
 networks with centralized administration of **backup** , **archive** and
hierarchical functions and management of libraries and media.
     Users can access multiple tape libraries...

 14/3,K/83   (Item 46 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

03031680   Supplier Number: 44119571   (USE FORMAT 7 FOR FULLTEXT)
Software options grow Companies move files to lower-cost drives
Computer Reseller News, p121
Sept 27, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 825

...   based IBM Corp. business unit, has ported its mainframe HSM
products into the AdStar Distributed **Storage   Manager   software** , a
network-based **backup** and **archive** solution for file **servers** on
multiple operating systems, said Scott Drummond, manager of business
development for AdStar software products.
        As companies...

  14/3,K/84   (Item 47 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02977172   Supplier Number: 44035418   (USE FORMAT 7 FOR FULLTEXT)
Adstar ships Distributed Storage Manager software line
Computer Reseller News, p169
August 16, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 320

...   data availability, storage management and data access across
distributed multivendor computing environments.
        The Adstar Distributed **Storage   Manager** (ADSM) **software** is a
backup and **archive** solution for workstations and local-area- **network**
file **servers** .
        The ADSM strategy involves the use of mainframe computers to **back
up** and **archive** data from IBM and non-IBM platforms and databases.
        Operating systems and databases supported by...

  14/3,K/85   (Item 48 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02805899   Supplier Number: 43769311   (USE FORMAT 7 FOR FULLTEXT)
Software Set Automates Storage Mgm't
CommunicationsWeek, p39
April 12, 1993
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 292

...   their storage-management tasks.
        Control Data, based here, unveiled Aria*Suite, an integrated set of
software modules for **managing   storage** systems and data.
        Aria* **BackupPlus** offers automatic, unattended **backup** for
heterogeneous Unix and **PC   networks** , according to Control Data. Once an
administrator has specified a schedule and level of **backup** , the software
performs the backup procedures automatically, the company said.
        Aria*Client Migration Manager automatically...

  14/3,K/86   (Item 49 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02779941   Supplier Number: 43729351   (USE FORMAT 7 FOR FULLTEXT)
Deerfield Systems Announces DVision Document Image Management Software
News Release, p1

March 24, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 773

     404) 621-0999, (404) 621-9144 Fax

          Deerfield Systems Announces DVision
          Document Image **Management   Software**

          For Standalone or **Network   PC** -Based
          Optical **Storage** and **Retrieval** System

     UTICA, NY , March 24, 1993 --Deerfield Systems, Inc. has introduced
     DVision, a family of...

 14/3,K/87   (Item 50 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02202502   Supplier Number: 42868541   (USE FORMAT 7 FOR FULLTEXT)
**HP 10-GBYTE MULTIFUNCTION OPTICAL LIBRARY HAS ENTRY-LEVEL PRICE UNDER
   $10,000**
News Release, p1
March 31, 1992
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 564

...   current library product
     line.

     HP designed the new library to withstand the demands of such
     applications as image **management , archival** and hierarchical
storage ,
     and unattended **backup** for personal computer (**PC**) and **workstation
     network**
. Model 10LC exhibits a mean-time-between-failures (MTBF) rate
     of 40,000 hours (typically...

 14/3,K/88   (Item 51 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02177608   Supplier Number: 42832559   (USE FORMAT 7 FOR FULLTEXT)
Server Backup Moves Forward
CommunicationsWeek, p11
March 16, 1992
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 403

...   subset of a comprehensive disaster-prevention and recovery plan,
which should also include provisions for **redundancy** of key network
resources, off-site data protection and other protective measures.
     Although **many** LANs and **servers** now lack sufficient **backup**
protection, figures prepared by Peripheral show that the market for **backup**
 is on the verge of an explosion.

The market for backup, restoral and data- **storage management software** for PC LANs and Unix systems is projected to grow from $171 million in 1990...

14/3,K/89   (Item 52 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

01820505   Supplier Number: 42298385   (USE FORMAT 7 FOR FULLTEXT)
Controlling Data Storage On LANs
CommunicationsWeek International, p29
August 19, 1991
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 482

...   first is software for a single PC server that performs what is called network-aware **backup** , or storing all the data on that **server** , including the **network** operating system, and security and other facilities.
     Another class of **storage software** is called data **management software** , which often uses expert system technology to determine what needs to be saved in which...

14/3,K/90   (Item 53 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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01802687   Supplier Number: 42271845   (USE FORMAT 7 FOR FULLTEXT)
Data Storage On LANs
CommunicationsWeek, p19
August 5, 1991
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 666

...   first is software for a single PC server that performs what is called network-aware **backup** , or storing all the data on that **server** , including the **network** operating system, and security and other facilities.
     Another class of **storage software** is called data **management software** , which often uses expert system technology to determine what needs to be saved in which...

14/3,K/91   (Item 54 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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01538100   Supplier Number: 41877680
**ARCHIVE*SOL VERSION 2.3 PROVIDES DISTRIBUTED ARCHIVING, BACKUP AND DATA
   TRANSFERS IN MULTIVENDOR UNIX AND VMS NETWORKS, DIRECTLY ACCESSES DATA
   RESIDING IN SQL D**
News Release, p1
Feb 20, 1991
Language: English   Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
Computertime Network Corporation is now shipping version 2.3 of its
storage management software, **ARCHIVE** *SQL. The new release rates
across multivendor UNIX and VAX/VMS **networks**. Each **computer** in the
network can act as a client, server of both. Users on any computer system
can **backup**, **archive** or transfer data, either files or SQL database
tables (or selected portions) anywhere in the...

14/3,K/92   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10834595   SUPPLIER NUMBER: 53947355   (USE FORMAT 7 OR 9 FOR FULL TEXT)
TECH REFRESH.
Murray, Bill
Government Computer News, 18, 4, 31(1)
Feb 22, 1999
ISSN: 0738-4300   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 401   LINE COUNT: 00037

...   network-attached storage system on its NASA Scientific and
Engineering Workstation Procurement II contract.
     The **redundant**, high-capacity Fibre Channel **storage** system for
Windows NT **Server** 4.0 **networks** sells for $51,540 in the NAS2000 A20
configuration, which uses NAS Cluster **software** for file **management**.
PrimeStor uses up to four processors on two servers for redundancy. Each
server has a...

14/3,K/93   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10107570   SUPPLIER NUMBER: 20473670   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**New backup bundle.(Compaq Computer to bundle Seagate Software's Seagate
  Backup Exec with server secondary-tape storage devices) (Company Business
  and Marketing)**
Computer Reseller News, n783, p145(1)
April 6, 1998
ISSN: 0893-8377   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 50   LINE COUNT: 00007

TEXT:
     Seagate Software, Heathrow, Fla., said Compaq Computer Corp., Houston,
will bundle Seagate **Backup** Exec with all **server** **secondary** -tape
storage **devices** it ships worldwide. The deal is the first major program
to result from the Seagate **Software** /Compaq **Storage** **Management**
Development agreement.

14/3,K/94   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09911006   SUPPLIER NUMBER: 20059140   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Automatic for the people: as network managers move from autoloaders to tape
  libraries, manufacturers predict resellers will be looking for
  scalability and high capacities in new products.(Special Supplement:
  VarXtra)**

Schick, Shane
Computer Dealer News, v13, n20, pS8(2)
Oct 6, 1997
ISSN: 1184-2369   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1046   LINE COUNT: 00081

...   these types of cards will have to get together with software
manufacturers for back-up **software** and make **agents**   and clients that
will allow these tape libraries to actually **back   up** this type of
network -attached **storage   devices** ."
      Edington says there will still be a future for lower-capacity
autoloaders in smaller organizations...

 14/3,K/95   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09728385   SUPPLIER NUMBER: 19755660   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Stratus Combines RADIO Cluster Fault-Tolerant System and Storage Management
  With Microsoft Windows NT Server Enterprise Edition 4.0**
PR Newswire, p916NETU033
Sep 16, 1997
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 840   LINE COUNT: 00079

      Stratus(R) RADIO Cluster, based on Intel(R) Pentium Pro(R) processors,
combines **redundant** application **servers** , **storage** , and **network**
servers into a completely integrated clustered system. Its embedded
cluster **management   software** provides continuous, fault-tolerant systems
management and remote maintenance for problem diagnosis that eliminates
costly...

 14/3,K/96   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09346835   SUPPLIER NUMBER: 19201142   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Advanced Digital Information Corporation Offers 1,525,000 Shares of Common
  Stock at $17.00 Per Share.**
Business Wire, p3120141
March 12, 1997
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 276   LINE COUNT: 00027

...   by third parties to provide highly automated data storage
protection. When used with third-party **storage   management   software** ,
the Company's products can perform sophisticated **backup** and **archiving**
of electronic data residing across a **network** of **PCs** , **workstations** and
servers with minimal human intervention. The Company's product family
operates in both PC...

 14/3,K/97   (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09099544   SUPPLIER NUMBER: 18817586   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Spec to simplify network storage. (Network Appliance Inc's Network Data

Management Protocol) (Company Business and Marketing)
Russell, Joy
CommunicationsWeek, n635, p24(2)
Oct 28, 1996
ISSN: 0746-8121   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 524   LINE COUNT: 00047

        ...   typical network-attached storage, data files are stored and
retrieved using dedicated servers. Today, data **management   software**
vendors must port their software to each combination of application **server**
platforms and **network** -attached **storage   devices** .
        NDMP is designed to make every **network** -attached **storage   device**
backup -ready, while enabling plug-and-play **backup** operation. Users won't
be required to install additional software on an NDMP-compliant **network**
storage   device .
        "There is a very strong movement to centralize servers and consolidate
storage, and direct-attached...

 14/3,K/98   (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09072102   SUPPLIER NUMBER: 18815586   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Backup vendors form initiative for network storage protocol. (Network
  Appliance Corp, PDC working to standardize backup) (Company Business and
  Marketing)(Brief Article)
LaPolla, Stephanie
PC Week, v13, n43, p38(1)
Oct 28, 1996
DOCUMENT TYPE: Brief Article   ISSN: 0740-1604   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 297   LINE COUNT: 00026

        NDMP (Network Data Management Protocol) would enable plug-and-play
backup between a **network** file **server** , or **network** -attached **storage**
device acting as a file server, and **management   software** running on
different hosts.
        The protocol promises to enable users to **back   up   Network** File
System **servers** or **network** -attached **devices** , which are each built as
network appliances without a general-purpose operating system running.
        The...

 14/3,K/99   (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08608287   SUPPLIER NUMBER: 18203355   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Let's do takeout. (Turner Broadcasting Systems hires International Network
  Services for network management duties) (PC Week Executive) (Company
  Operations)
Musich, Paula
PC Week, v13, n15, pE1(2)
April 15, 1996
ISSN: 0740-1604   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 874   LINE COUNT: 00076

        ...   welcome relief to harried IS managers looking to offload such tasks
as asset management, remote **network** monitoring, remote **server**

monitoring, **software** update **management** , and **backup** and **archiving**
services.
    "The day-to-day mountain of management tasks is getting to the point
where...

 14/3,K/100   (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08594083   SUPPLIER NUMBER: 18179858   (USE FORMAT 7 OR 9 FOR FULL TEXT)
This Exchange in making additions. (Seagate Software Storage Management
  Group's Backup Exec for Windows NT for Exchange backup software
  module) (Product Announcement)
Lavilla, Stacy
PC Week, v13, n14, p43(2)
April 8, 1996
DOCUMENT TYPE: Product Announcement   ISSN: 0740-1604   LANGUAGE:
  English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 430   LINE COUNT: 00039

    Seagate, Cheyenne enable administration
    Seagate **Software   Storage   Management** Group and Cheyenne **Software**
 Inc. unveiled at NetWorld+Interop in Las Vegas last week new **backup**
software aimed at easing integration with Microsoft Corp.'s Exchange
Server and increasing **network** administrators' capabilities of providing
online **backups** .
    Seagate, of Lake Mary, Fla., introduced a Seagate **Backup** Exec for
Windows NT module for Exchange, with which network managers can perform
unattended backup...

 14/3,K/101   (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08572952   SUPPLIER NUMBER: 18152469   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Backing up the enterprise. (Seagate Storage Manager 4.0D Windows NT
  Edition; Legato Systems NetWorker 4.2 Network Edition; Seagate Software
  Backup Exec 6.1 for Windows NT Enterprise Edition; Cheyenne Software
  ARCserve 2.01 for WIndows NT Enterprise Edition) (Software
  Review)(Evaluation)
Feibus, Andy
InformationWeek, n573, p72(6)
April 1, 1996
DOCUMENT TYPE: Evaluation   ISSN: 8750-6874   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3441   LINE COUNT: 00274

...   are directly comparable for my configuration, but the packages will
run better with faster hardware.
    Storage   Manager 4.0D
    Seagate **Software** 's **Storage   Manager** , acquired from Palindrome,
could not completely back up my test configuration. The current software
will not **back   up** a Unix system unless you have a NetWare **server** on
your **network** to act as an NFS gateway to the Unix disks. Actually,
Seagate only provides native...

 14/3,K/102   (Item 11 from file: 148)

```
Set      Items    Description
S1          0    AU=(CRESCENTI J? OR CRESCENTI, J? OR PRAHLAD A? OR PRAHLAD,
                 A?)
S2    1094456    RETRIEVAL? OR REDUNDAN? OR BACKUP? OR BACK()UP? ?
S3   11320492    SOFTWARE? OR PROGRAM? OR APPLICATION? OR FREEWARE? OR SHAR-
                 EWARE
S4    8595761    NODE? OR TERMINAL? OR PC? ? OR COMPUTER? ? OR CPU? ? OR WO-
                 RKSTATION? OR SERVER? ? OR DEVICE? ?
S5    1013822    S4(2N)(PLURAL? OR SEVERAL OR VARIOUS OR MANY OR MULTIPL? OR
                 NUMEROUS OR NETWORK? ? OR 1ST OR 2ND OR FIRST OR SECOND?)
S6   13276659    MANAG? OR CONTROL? ? OR AGENT?
S7    2803260    STORAGE? OR ARCHIV? OR DATABASE? OR DB OR DATA()BASE?
S8      16775    S2(15N)S5
S9    1464080    S3(3N)S6
S10       832    S8(20N)S9
S11       373    S10(5N)S7
S12       281    S11 NOT PY>1999
S13       274    S12 NOT PD=19990715:20030609
S14       179    RD (unique items)
? show file
File   9:Business & Industry(R) Jul/1994-2003/Jun 05
          (c) 2003 Resp. DB Svcs.
File  15:ABI/Inform(R) 1971-2003/Jun 07
          (c) 2003 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2003/Jun 09
          (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Jun 06
          (c)2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/Jun 09
          (c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jun 06
          (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jun 05
          (c) 2003 The Gale Group
```

14/3,K/1   (Item 1 from file: 9)

2408136 Supplier Number: 02408136   (USE FORMAT 7 OR 9 FOR FULLTEXT)
**On Tap: Network Integrity, Transoft Networks Debut Offerings -- New Apps
   Manage NT, Unix Server Storage**
**(Network Integrity unveils LiveVault, which allows realtime backup and
   storage on Windows NT servers; Transoft Networks offers SAN Manager)**
Computer Reseller News, p 108
March 22, 1999
DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 417

      (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
By: Joseph F. Kovar

Irvine, Calif. -- Two software vendors are offering resellers new
applications that could better **manage** Windows NT and Unix **server
storage** .

 Network Integrity Inc., Marlborough, Mass., unveiled LiveVault, a
software application which allows realtime **backup** and **storage** on
Windows NT servers.

And SAN Manager from Santa Barbara, Calif.-based Transoft Networks Inc...

 14/3,K/2   (Item 2 from file: 9)

1850400 Supplier Number: 01850400   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Legato Networker Uses Stac Replica
**(Legato Systems will be incorporating means to back-up individual PCs on
   network by adapting Stac Replica 3.0 to work with its Networker 4.4)**
Computer Reseller News, p 108
June 09, 1997
DOCUMENT TYPE: Journal ISSN: 0893-8377 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 197

      (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
Byline: William Terdoslavich

Palo Alto, Calif. - Legato Systems Inc. will be incorporating the means to
back - up individual **PCs** on the **network** by adapting Stac Replica 3.0
to work with its Networker 4.4 system **storage   management   software** .

"This came about through a lot of the requirements [of] enterprise
customers," said Gary Archer...

 14/3,K/3   (Item 3 from file: 9)

1802995 Supplier Number: 01802995
Legato to shine up GEMS for enterprise storage management
(Legato Systems Inc has introduced Java-based Global Enterprise Management
  of Storage (GEMS) central console software)
Network World, v 14, n 16, p 23
April 21, 1997
DOCUMENT TYPE: Journal ISSN: 0887-7661 (United States)
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:
...introduced Java-based Global Enterprise Managment of Storage (GEMS)
central console software to simplify enterprise **storage   management** . The
 software is aimed at customers who need to monitor **servers** deployed
across **networks** and that use different operating systems and different
backup devices. GEMS' capabilities include built-in universal licensing
and software distribution. GEMS operates with the firm's data backup
management   software called NetWorker.   ...

 14/3,K/4   (Item 4 from file: 9)
DIALOG(R)File   9:Business & Industry(R)

1498268 Supplier Number: 01498268   (USE FORMAT 7 OR 9 FOR FULLTEXT)
HP Intros DLT Tape Libraries For Midrange Unix
(Hewlett-Packard's new digital linear tape libraries for OEMs feature
  technicla innovations that include "online replacement" of tape drives,
  plus a cable lift system)
Newsbytes News Network, p N/A
May 20, 1996
DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 945

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...HP's new robotic tape libraries are targeted at the multivendor "Unix
midrange market," for " **server   backup** , client/ **network   backup** , and
VLDB (very large **database   backup**)," along with HSM (hierarchical
storage   management) and **archival   applications** , Caputo maintained, in
the pre- briefing for Newsbytes on HP's recent Boston press tour...

TEXT:
...HP's new robotic tape libraries are targeted at the multivendor "Unix
midrange market," for " **server   backup** , client/ **network   backup** , and
VLDB (very large **database   backup**)," along with HSM (hierarchical
storage   management) and **archival   applications** , Caputo maintained, in
the pre- briefing for Newsbytes on HP's recent Boston press tour...

 14/3,K/5   (Item 5 from file: 9)
DIALOG(R)File   9:Business & Industry(R)

1385746 Supplier Number: 01385746
Russia: Absence of trained personnel limits further growth of computer
  market.

(Businesses say the lack of personnel with experience in development,
  implementation, or use of modern computer systems limits the growth of
  Russia's computer market)
Moskovskie Novosti, p V29
January 21, 1996
DOCUMENT TYPE: Journal   (Russia)
LANGUAGE: Russian   RECORD TYPE: Abstract

ABSTRACT:
...Tsentr) where courses on use of HP network equipment, installation of
operation systems in HP **servers** , **network** **control** **software** , data
processing, **storage** and **back** **up** are held weekly for partners of HP or
large corporate clients. Cost of 8-10...

 14/3,K/6   (Item 6 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1249951 Supplier Number: 01249951   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Robotic Handling Systems Transform Drug Discovery
(Pharmaceutical firms are investing in automatic robotic systems for the
  processing, storage and retrieval of compounds for testing)
Marketletter, p N/A
July 31, 1995
DOCUMENT TYPE: Newsletter ISSN: 0951-3175   (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 917

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...robot that stores, retrieves and processes compounds for testing from a
Kardex Industriever, an automated **storage / retrieval** vertical carousel.
A **network** of **computers** runs the **software** that **controls** the physical
events in the process (the physical movement of the robotic arm along its
...

TEXT:
...processes compounds for testing from a Kardex Industriever, which the
manufacturer describes as an automated **storage** and **retrieval** vertical
carousel. A **network** of **computers** runs the Haystack **software** , which
controls both the physical events in the process (the physical movement of
the robotic arm along...

 14/3,K/7   (Item 7 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1211042 Supplier Number: 01211042   (USE FORMAT 7 OR 9 FOR FULLTEXT)
IBM Readies New Storage Software
(IBM will soon offer Adstar Distributed Storage Manager Version 2.1 for
  network servers running MVS and AIX operating systems)
Information Week, n 530, p 32
June 05, 1995
DOCUMENT TYPE: Journal ISSN: 8750-6874   (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 158

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...will backup Notes databases

IBM IS SLATED to introduce a new version of its data **storage management software** on May 30.

Adstar Distributed **Storage** Manager Version 2.1, which operates on **network servers** running IBM's MVS and AIX operating systems, features a **backup** capability for Lotus Notes **databases** . The **management software** also offers automatic **storage** to a central data site. So in effect, a work-station's hard drive would...

14/3,K/8   (Item 8 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1120130 Supplier Number: 01120130   (USE FORMAT 7 OR 9 FOR FULLTEXT)
LEGATO'S NETWORKER DOES WINDOWS
(Legato Systems Inc had introduced NetWorker Client for Windows NT, a systems-backup software package)
Computer Reseller News, v 0, n 0, p 106
February 06, 1995
DOCUMENT TYPE: Journal   ISSN: 0893-8377   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 407

ABSTRACT:
...NT, a systems-backup software package. The software has evolved over the years from a **backup** and recovery tool to **software** that handles **storage management** , which is vital in client/ **server networks** with groupware. Article provides an example of Lotus Notes progressing from 2 GB of required...

14/3,K/9   (Item 9 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1066790 Supplier Number: 01066790   (USE FORMAT 7 OR 9 FOR FULLTEXT)
Intel Cranks Up Speed Of Adapters, Backup
(Intel debuts 100-megabit-per-second Ethernet adapter to spur adoption of high-speed LANs)
CommunicationsWeek, n 529, p 1+
October 31, 1994
DOCUMENT TYPE: Journal   ISSN: 0748-8121   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 712

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...doesn't end there: It also will announce this week an upgrade Kit for its **StorageExpress backup** server that handles a 100-Mbps link to one or more file and **application servers** .

Network managers say they are interested in Fast Ethernet-if the price is right.

Bode Akintola   09-Jun-03

"Fast Ethernet makes...

 14/3,K/10   (Item 10 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1064742 Supplier Number: 01064742   (USE FORMAT 7 OR 9 FOR FULLTEXT)
NT STORAGE MANAGEMENT
(Optical Technology Group's DiskExtender is a new storage management
  application for Windows NT networks)
CommunicationsWeek, n 528, p 51
October 24, 1994
DOCUMENT TYPE: Journal; News Brief ISSN: 0748-8121 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 52

     (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
Optical Technology Group Inc., Bethesda, Md., has developed **storage**
management   software for Microsoft Windows NT networks that lets users
access **various   devices** throughout the enterprise via a single
interface. DiskExtender provides a client/server interface for **archive** ,
backup and other applications. Prices vary by configuration, but could
range as high as $23,000...

 14/3,K/11   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02557880 207765601
Robotic handling and storage system at Wellcome has a major impact on drug
discovery
Anonymous
Industrial Robot v23n3 PP: 35-37 1996
ISSN: 0143-991X JRNL CODE: IRO
WORD COUNT: 1352

...TEXT: which stores, retrieves and processes compounds for testing from a
Kardex Industriever and an automated **storage** and **retrieval** vertical
carousel for small to medium parts. A **network** of **computers** runs the
Haystack **software** which **controls** the robot and the Kardex Industriever
and tracks and manages compounds through the system.

Haystack...

 14/3,K/12   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01851192 05-02184
An end to downtime
Nance, Barry
Network World v16n27 PP: 39-40 Jul 5, 1999
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 1969

...TEXT: manages the health of shared disks instead of whole servers. Like PowerSwitch/NT, the Veritas **software** excelled at **managing** shared disks among **several** **servers** , ensuring data preservation in the event of server failure. However, **Backup** Exec for NT with Shared **Storage** Option, along with Replication Exec 1.5, doesn't automatically respond to server failures. When...

14/3,K/13   (Item 3 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

01846929 04-97920
Storage gets more flexible
Garvey, Martin J
Informationweek   n740 PP: 14   Jun 23, 1999
ISSN: 8750-6874   JRNL CODE: IWK
WORD COUNT: 502

...TEXT: systems-management   suite and Tivoli Storage Management, a repackaged version of IBM's Adstar Distributed **Storage** **Management** **software** . Initially, the **software** will let **servers** from **multiple** vendors **back** **up** data to a single IBM tape library over SANs. By next year, customers will be...

14/3,K/14   (Item 4 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

01798562 04-49553
New apps manage NT, Unix server shortage
Kovar, Joseph F
Computer Reseller News   n834 PP: 108   Mar 22, 1999
ISSN: 0893-8377   JRNL CODE: CRN
WORD COUNT: 407

ABSTRACT: Two software vendors are offering resellers new **applications** that could better **manage** Windows NT and Unix **server** **storage** . **Network** Integrity Inc. unveiled LiveVault, a software application that allows realtime **backup** and **storage** on Windows NT **servers** . Transoft **Networks** Inc.'s SAN Manager allows systems administrators to make dynamic storage and server node changes...
TEXT: Two SOFTWARE VENDORS are offering resellers new **applications** that could better **manage** Windows NT and Unix **server** **storage** .

Network Integrity Inc., Marlborough, Mass., unveiled LiveVault, a software application which allows realtime **backup** and **storage** on Windows NT servers.

And SAN Manager from Santa Barbara, Calif.based Transoft Networks Inc...

14/3,K/15   (Item 5 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

01731046 03-82036
Freeing the LAN from backup traffic

Purohit, Robin
Network World v15n46 PP: 49 Nov 16, 1998
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 764

...TEXT: using SCSI, newer SANs employ Fibre Channel. They also use
starwired hubs in combination with **storage management software** that
can mediate contention and synchronize data - activities necessary for
moving **backup** data from **multiple servers** to **multiple storage
devices** .

In a LAN-free **backup** architecture, a Fibre Channel adapter is installed
in each server. These are connected via the...

   14/3,K/16   (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01627803 02-78792
'Black box' speeds data transfer
Dillon, Nancy
Computerworld v32n18 PP: 73-76 May 4, 1998
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 449

...TEXT: four Ultra SCSI Unix or Windows NT server connections on the
other. It comes with **software** from Harbor Systems **Management** Ltd. in
Calgary, Alberta, for both file transfers and **database backup** and
recovery.

Similar products include FileSpeed from **Computer Network** Technology in
Minneapolis and Link/9000 from General Signal Networks, Inc. in Stamford,
Conn. (see...

   14/3,K/17   (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01572695 02-23684
Dr. Bernie's digestion and digressions
Domanski, Bernie
Capacity Management Review v25n12 PP: 24, 21+ Dec 1997
ISSN: 1049-2194 JRNL CODE: PPR
WORD COUNT: 1339

...TEXT: in the second quarter.

General Signal Networks Offers PCI Board For Data Transfer. General Signal
 Networks announced a **PCI** board that will reduce the time needed to
transfer or **back up** data between Client/ **Server networks** and
mainframes. The Link/9000 Escon Interface is intended to speed up IBM's
automated Adstar Distributed **Storage Manager** (ADSM) **software** , which
transfers data between mainframes and Unix and Windows NT servers.

The Link/9000 is...

   14/3,K/18   (Item 8 from file: 15)

01555458 02-06447
Redesigning the customer support process for the electronic economy:
Insights from storage dimensions
El Sawy, Omar A; Bowles, Gene
MIS Quarterly v21n4 PP: 457-483 Dec 1997
ISSN: 0276-7783 JRNL CODE: MIS
WORD COUNT: 11027

...TEXT: www.storagedimensions.com.

Storage   Dimensions' products   fall   into   three   main   categories:
high-availability RAID disk **storage** systems, high capacity tape **backup**
 systems, and network **storage** **management** **software** for multi- **server**
 networks   . RAID (**Redundant** Array of Independent Disks) is a
fault-tolerant disk subsystem architecture that provides protection against
...

 14/3,K/19   (Item 9 from file: 15)

01549743 02-00732
Computer Associates
Yacono, John
Computer Reseller News n768 PP: 134 Dec 15, 1997
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 944

...TEXT: Framework's console enables administrators to manage all storage
assets from a central point. The **software**   is limited to **managing**
 resources via IP protocol.

ARCserve 6.5 can **back**   **up** its own **database** , replicating it across
 multiple   **servers** . An advantage is that all ARCserve databases on a
network can be replicated by a...

 14/3,K/20   (Item 10 from file: 15)

01422667 00-73654
NDMP: Beating the backup blues
Boberg, Richard
Network World v14n20 PP: 37 May 19, 1997
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 696

...TEXT: data on a network.

When it comes to ensuring interoperability among different servers and
backup **software** , the Network Data **Management** Protocol (NDMP) Task Force
means business.

The task force is working on enhancements to its NDMP specification, which
defines **backup**   over the network from a **network**   **storage**   **node** to a

backup media node. This is all controlled by the **backup** host. Released last fall by codevelopers Network Appliance, Inc. and Peripheral Devices Corp., NDMP Version...

14/3,K/21   (Item 11 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01328846 99-78242
Protocol may simplify network file backup
Hamblen, Matt
Computerworld v30n47 PP: 48 Nov 18, 1996
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 212

...TEXT: NDMP-compliant.

Some users said that would simplify

and increase the performance of network file **backup** . Data **management software**   vendors currently must connect their software to each combination of an application **server** platform

and **network** -attached **storage** **device** .

"NDMP should produce a lot more flexibility for us in our area networks. Now, it...

14/3,K/22   (Item 12 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01245416 98-94811
Desirable properties for network storage
Massiglia, Paul
Computer Technology Review v16n6 PP: 18-20 Jun 1996
ISSN: 0278-9647 JRNL CODE: CTN
WORD COUNT: 2129

...TEXT: that a storage system has failed and that its tasks have been assumed by a **redundant** partner are lacking in many host environments. **Many servers** lack mechanisms to gracefully handle failover from a defective **storage** controller to a **redundant** survivor.

In addition, relatively few server systems can automatically take over **applications** and **storage** **control** from a failed partner, even if redundant hardware components would allow them to do so...

14/3,K/23   (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01168822 98-18217
HSM or SSM?
Lawrence, Myles
Computer Technology Review v16n1 PP: 30 Jan 1996
ISSN: 0278-9647 JRNL CODE: CTN

WORD COUNT: 1142

...TEXT: migrated from the faster (primary) access devices to the slower (secondary) access devices by the **storage management application** . Migrated files are still accessible, but data access times will usually be slower, depending on the **secondary storage device** type used and if the migration software requires demigration for access.

Whether it's **backup** , **archive** or migration, the emphasis is always placed on ensuring adequate primary disk space which means...

 14/3,K/24   (Item 14 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01122150 97-71544
Legato rolls out on-line backup for Oracle7
Leon, Mark
InfoWorld v17n45 PP: 8 Nov 6, 1995
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 308

...TEXT: better performance and greater flexibility when backing up production databases.

Legato's NetWorker ODM (Oracle **Database** Module) will **back up** live Oracle Corp. **databases** , do partial **database backup** , and support multiplexing of data to **multiple storage devices** .

NetWorker ODM uses Oracle's new **Backup** /Restore Utility--previously called OBackup--which Oracle ships free and which provides an API for backup **applications** .

The Oracle utility **manages** live **database** backup sessions and **database** configuration details; Legato's software formats the data and manages the media.
Legato, based in...

 14/3,K/25   (Item 15 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01062867 97-12261
Cheyenne upgrades ARCserve
Leon, Mark
InfoWorld v17n27 PP: 41 Jul 3, 1995
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 379

...ABSTRACT: has announced ARCserve for Windows NT 2.0, an upgrade to its Windows NT-based **storage management program** that adds support for **multiple** - **server networks** . The product allows users to administer **backup** sessions on **multiple** Windows NT **servers** from any designated Windows NT **workstation** in the **network** .
TEXT: CHEYENNE SOFTWARE INC. has announced an upgrade to its Windows NT-based **storage management program** that adds support for **multiple** - **server networks** .

ARCserve for Windows NT 2.0 will allow users to administer **backup** sessions on **multiple** Windows NT **servers** from any designated Windows NT **workstation** in the **network** .

"This remote administration is important," said beta user Chuck Vachter, systems programmer analyst for the...

14/3,K/26   (Item 16 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01028574 96-77967
Informix preps workgroup database server
Cole, Barb
Network World v12n18 PP: 25-26 May 1, 1995
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 398

...TEXT: Inc. will introduce SQL-BackTrack for Oracle, software that automatically backs up Oracle6 and Oracle7 **databases** . The software configures **backups** and recovers logs associated with the files included in the **backup** . SQL-BackTrack runs on **several** Unix **servers** and supports **several** types of **backup** media.

*Independence Technologies, Inc. will roll out i.View SNMP **Agent** Integrator, **software** that lets multiple Simple Network Management Protocol agents on the same node appear as a...

14/3,K/27   (Item 17 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00947473 95-96865
EMC gives mainframe storage options to open systems
Francis, Bob
InfoWorld v16n46 PP: 56 Nov 14, 1994
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 255

...TEXT: a number of different systems, provides processor-independent storage for a wide variety of Unix **servers** and **network** operating systems.

The new Centriplex system also provides automatic **backup** for **multiple** **servers** via high-performance client/server **storage** **management** **software** based on an enhanced version of EpochBackup.

As many as nine servers can be attached...

14/3,K/28   (Item 18 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00913691 95-63083
There's more to CD-ROM than just multimedia
O Connor, Mary Ann
CD-ROM Professional v7n5 PP: 87-89 Sep/Oct 1994

ISSN: 1049-0833   JRNL CODE: LDP
WORD COUNT: 1094

...TEXT: Colorado, develops and markets software retrieval and archival products for CD-Recordable drives and document **management** **software** for local and wide area networks. IMR's Document Administrator addresses the management, **retrieval** , **archiving** , and **backup** of documents on **PC** - based **networks** . Another IMR product, Alchemy, enables CD-Recordable technology to be used for authoring, archiving, microfiche...

14/3,K/29   (Item 19 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00900379 95-49771
Backup app relies on client/server technology
Anonymous
Computer Reseller News   n583   PP: 103   Jun 20, 1994
ISSN: 0893-8377   JRNL CODE: CRN
WORD COUNT: 420

...TEXT: is "pushed" across the network by the backup client, which resides on all computers requiring **backup** services. A NetArchive-DNB client also may pull files from **computers** across a **network** through other network services, such as NFS. **Backup** files are directed to **storage** devices that are managed by NetArchive- **Storage** Vault **Manager** **software** .

Location and recovery of backed-up data is done through the use of either a ...

14/3,K/30   (Item 20 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00895837 95-45229
Understanding client/server computing
Borthick, A Faye; Roth, Harold P
Management Accounting   v76n2   PP: 36-41   Aug 1994
ISSN: 0025-1690   JRNL CODE: NAA
WORD COUNT: 3660

...TEXT: Some aspects of client/server computing that have not been addressed satisfactorily are backup/recovery, **program** change **control** , access **control** , data synchronization, network configuration, and user training.

Backup /recovery. On mainframe systems, **backup** /recovery procedures are fairly straightforward: All files are copied to **secondary** **storage** **devices** with a few utility programs. On client/server systems, the matter is not nearly as...

14/3,K/31   (Item 21 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00882236 95-31628
Integrating HSM and backup functionality

Thornburn, Randall L
Computer Technology Review   Supplement   PP: 106-112   Spring/Summer 1994
ISSN: 0278-9647   JRNL CODE: CTN
WORD COUNT: 2640

...TEXT: to the host machine. This type of configuration tends to be slower
and creates more **network** traffic.

Client/ **Server** design is becoming the predominant design for **backup** and
HSM software today (See Fig 2).(Fig. 2 omitted) In this design, there are
two software components. A "server" **software** component which **controls**
 the **storage** device, and a "client" software component which resides on
remote machines around the network, which...

 14/3,K/32   (Item 22 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00813606 94-62998
Conference explores merging document technologies
Anonymous
Managing Office Technology v39n1   PP: 51   Jan 1994
ISSN: 1070-4051   JRNL CODE: MOP
WORD COUNT: 314

...TEXT: 21st through 25th. For the first time, attendees can see imaging
systems, publishing systems and **software** , **database** **management**
 software , document **storage** and **retrieval** systems, conversion
software, client/ **server** architectures, and **multiple** platform solutions
on the same showroom floor.

Frank Gilbane, president of Publishing Technoloy Management, Inc...

 14/3,K/33   (Item 23 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00779717 94-29109
Data storage: The next LAN server application
Garber, Ross B
Data Communications v22n16   PP: 91-96   Nov 1993
ISSN: 0363-6399   JRNL CODE: DCM

...ABSTRACT: and without user intervention. Several data management tools
now on the market enable administrators to **back** **up** and **archive** data
from **multiple** **workstations** , are compatible with different types of
 storage devices, and provide some level of automation. However, data
 management **software** must: 1. become more proficient at handling storage
media, 2. be able to label removable...

 14/3,K/34   (Item 24 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00746851 93-96072
Intel to unveil slew of new products
Gillooly, Caryn

Network World v10n32 PP: 24 Aug 9, 1993
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 689

...TEXT: driven backups occur in conjunction with certain alerts or alarms,
according to Mark Christensen, operations **manager** of **application** server
operations   at   Intel.   For   example,   the   administrator   can   set   the
StorageExpress   server to automatically **back** up the **network** **server**
's hard disk when it reaches 90% capacity.

In addition, the new versions of StorageExpress...

14/3,K/35   **(Item 25 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00682391 93-31612
Fulcrum offers SQL-based text retrieval tools
Scannell, Ed
InfoWorld v15n12 PP: 20 Mar 22, 1993
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 322

...ABSTRACT: give   developers a path to integrate text-intensive data into
existing   corporate   information   management   or   **database**   systems.
SearchTools should allow IS **managers** to create **applications** that
increase the overall productivity of users. SearchServer, the kernel of
Fulcrum's text **retrieval** engine, has been licensed to **several** large
workstation companies. The SearchTools product is available for Microsoft
Corp.'s Visual Basic and Windows, and...

14/3,K/36   **(Item 26 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00635852 92-50792
Intel's New StorageExpress Offers Centralized Backup for NetWare
Wylie, Margie
Network World v9n36 PP: 6 Sep 7, 1992
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 583

...ABSTRACT: StorageExpress Central, a Windows 3.1 application, serves as
the nerve center for all the **StorageExpress** **servers** on a **network** . The
software enables **managers** to schedule automatic incremental,
differential, and full **backups** . **StorageExpress** also enables managers
to search for backed-up files over a number of servers, generate...

14/3,K/37   **(Item 27 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00618577 92-33679
Managing Storage Across the Enterprise
Taber, Mark
Datamation v38n11 PP: 36-40 May 15, 1992
ISSN: 0011-6963 JRNL CODE: DAT

...ABSTRACT: the series is expected to be an MVS/ESA-based facility that will automatically manage **backup** and **archive** data from at least 3 local area **network** or **workstation** clients' operating systems - AIX, version 3, SunOS, and OS/2. Another vendor with a strategy for enterprisewide **storage** **management** is Sterling **Software** 's Systems Software Marketing Division (Rancho Cordova, California). The ultimate goal of Sterling's Eagle...

14/3,K/38   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

06498595   Supplier Number: 55198425 (USE FORMAT 7 FOR FULLTEXT)
Welcome to Wendy's, How May I Protect Your Server Data?(fast food vendor
  Wendy's International uses Innovation Data Processing's FDR/UPSTREAM to
  backup network servers)(Product Information)
Courtney, Philip E.
Enterprise Systems Journal, v14, n7, p24
July, 1999
Language: English   Record Type: Fulltext Abstract
Document Type: Magazine/Journal; Trade
Word Count: 2513

ABSTRACT:
...s International is seeing a growing number of its applications moving from MVS mainframes to **network** **servers** in distributed systems, which requires new approaches to file **backup** , recovery and **archiving** . The company uses Innovation Data Processing's FDR/UPSTREAM **storage** **management** **software** to centralize and automate backup/restore and archiving from PC/LAN/Unix systems to OS...

14/3,K/39   (Item 2 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

06485243   Supplier Number: 55148372 (USE FORMAT 7 FOR FULLTEXT)
GartnerGroup's Dataquest Says Worldwide Storage Management Software Market
  to Top $6.6 Billion in 2003; New Dataquest Reports Forecast the Future of
  This Growing Marketplace.
Business Wire, p1092
July 14, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 652

...   billion in 2003, according to Dataquest Inc., a unit of Gartner Group, Inc. (NYSE:IT).
     " **Stora**ge area **networks** , intelligent **storage** **servers** , and new data replication techniques will transform the way **storage** **backup** and recovery is accomplished," said Carolyn DiCenzo, principal analyst for Dataquest's Network, System, and **Storage** **Management** **Software** Worldwide **program** . "The resulting **storage** **management** environment will demand consistent, integrated, and automated tools."
     Storage management represents all of the tools...

14/3,K/40   (Item 3 from file: 16)

06441825   Supplier Number: 55009408   (USE FORMAT 7 FOR FULLTEXT)
**Storage Gets More Flexible -- Two Vendors Unveil Networked Storage Systems
   To Meet The Need For Increased Data Availability.(IBM and Quantum focus
   on network storage)(Company Business and Marketing)**
Garvey, Martin J.
InformationWeek, p14
June 23, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 477

...   systems-management suite and Tivoli Storage Management, a
repackaged version of IBM's Adstar Distributed **Storage   Management
software** . Initially, the **software** will let **servers** from **multiple**
vendors **back   up** data to a single IBM tape library over SANs. By next
year, customers will be...

   14/3,K/41   (Item 4 from file: 16)

06408105   Supplier Number: 54865913   (USE FORMAT 7 FOR FULLTEXT)
**Legato Systems, Inc. Partners With Auspex Systems, Inc. to Deliver Open,
   Scalable Data Protection Solutions.**
PR Newswire, p7909
June 14, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 864

...   while providing users with 24x7 access to mission critical data.
This in turn increases the **backup** performance delivered by Legato's
integrated set of enterprise **storage** management   software   products.
Auspex's **network** attached file **servers** , combined with Legato's data
protection software, provides customers with centralized system and data
management...

   14/3,K/42   (Item 5 from file: 16)

06369796   Supplier Number: 54734060   (USE FORMAT 7 FOR FULLTEXT)
ATL Products Desktop to Data Center Library Systems Now Tivoli Ready.
Business Wire, p1131
May 27, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1021

...   ownership."
     Tivoli Storage Management Solutions
     Tivoli Storage Management solutions are comprehensive enterprise-wide
data and **storage   management   software** products designed for
distributed multi-vendor, multi-platform client/ **server   networks** ,
allowing management from a central location. In addition to its automated

backup features, Tivoli **Storage** Management solutions support Storage Area Networks, archiving, restoration, Hierarchical Storage Management and disaster recovery with...

14/3,K/43   (Item 6 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06365319   Supplier Number: 54719383   (USE FORMAT 7 FOR FULLTEXT)
HP touting 'stress-free' storage with Equation architecture.(Company Business and Marketing)
Meckbach, Greg
Computing Canada, v25, n20, p1
May 21, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 843

...   shift in how you design and implement your storage infrastructure."
     The Equation architecture includes OpenView **storage   management software** , which is comprised of the **Network   Node** Manager and the OmniBack II **backup** and restore tool.
     Other Equation **storage** devices include the SureStore E product family, which is comprised of: the **Storage** Node **Manager   software** designed to map and monitor **storage** devices, fabric devices and server host-bus adapters across a SAN; the Switch F16, a...

14/3,K/44   (Item 7 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06359185   Supplier Number: 54698531   (USE FORMAT 7 FOR FULLTEXT)
CNT and SCH Technologies Deliver Real-World Backup/Restore Solution for Mixed SAN Environment.
PR Newswire, p6156
May 24, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 949

...   and MINNEAPOLIS, May 24 /PRNewswire/ -- Continuing the quest to provide practical, real-world SAN solutions, **Computer   Network** Technology (CNT) (Nasdaq: CMNT) and SCH Technologies today delivered a tested and validated **backup** /restore solution for **Storage** Area Networks (SANs) employing both Fibre Channel and SCSI devices. Combining the **storage   management   software** from SCH Technologies with CNT networking solutions delivers high availability SAN solutions which offer customers...

14/3,K/45   (Item 8 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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06325141   Supplier Number: 54585286   (USE FORMAT 7 FOR FULLTEXT)
Exabyte Announces NetStorM Showcase Center.
PR Newswire, p5811
May 10, 1999
Language: English   Record Type: Fulltext

Document Type: Newswire; Trade
Word Count: 572

...   X200, 230D, 690D)
        -- Exabyte managed fibre-SCSI routers (FC11/FC12)
        -- Exabyte NetStorM end-to-end **storage   management   software**
        -- **Storage   Software** from Seagate, Legato and **Computer**
Associates
        -- **Storage** network products from Vixel, Gadzooks, Brocade,
Q-Logic and
        Emulex
        NetStorM is Exabyte's SAN **backup** solution which integrates the
company's SAN-ready Arrowhead(TM) tape libraries designed for DLTtape...

 14/3,K/46   (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06193874   Supplier Number: 54110281   (USE FORMAT 7 FOR FULLTEXT)
ATL Products' P3000 Series Library Qualified With Tivoli ADSM Software.
Business Wire, p1151
March 16, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 766

...   total cost of ownership."
     Tivoli ADSM
     Tivoli ADSM is a comprehensive enterprise-wide data and **storage**
management   software product designed for distributed multi-vendor,
multi-platform client/ **server   networks** , allowing management from a
central location. In addition to its automated **backup** features, Tivoli
ADSM supports data **storage** area networks (SAN), archiving, restoration,
Hierarchical Storage Management and disaster recovery with the goal of...

 14/3,K/47   (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06183960   Supplier Number: 54068497   (USE FORMAT 7 FOR FULLTEXT)
Tech primer: Adding a SAN can be a snap.(Technology Information)
Hammond, Eric
InfoWorld, v21, n10, p52(1)
March 8, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1324

...   large storage devices such as disk arrays and tape libraries to
virtual file systems on **servers** , eliminating **many** of the **server**
hardware limits imposed on **storage** .
     Many **backup** software vendors, including Legato and Veritas, now
support SAN architectures in their products and typically connect with
other **storage   management   software** to make backups as flexible as
possible. After all, you want your SAN system to...

 14/3,K/48   (Item 11 from file: 16)

06091195   Supplier Number: 53628198   (USE FORMAT 7 FOR FULLTEXT)
**Betting On SANS: Solid apps improve odds on storage area nets.(Mirage
  Resorts' Bellagio hotel in Las Vegas uses storage-area networks)(Company
  Operations)**
Baltazar, Henry
PC Week, v16, n4, p1(1)
Jan 25, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 405

...   restore jobs from a company's overburdened network infrastructure.
ARCserveIT and similar products from Seagate **Software** Inc. let IT
managers use PC-based SANs to consolidate **storage** on a **network** of
shared **devices** and perform **backups** over distances of up to 10,000
meters. (PC Week Labs' review of ARCserveIT is...

  14/3,K/49   (Item 12 from file: 16)

06013602   Supplier Number: 53421322   (USE FORMAT 7 FOR FULLTEXT)
HP'S STORAGE CROSSROADS.(Company Business and Marketing)(Brief Article)
HP Professional, v12, n11, p6(1)
Nov, 1998
Language: English   Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade
Word Count: 216

...   guaranteed.
    Other strategy offerings include: HP's Intelligent Storage Server,
which enables disk-to-disk **backup** allowing users to share libraries among
 multiple   servers ; HP Fibre Channel Model 1010D High Availability
Storage System; FC Hub **Manager   Software** ; 10-km Fibre Channel
connectivity; DLT library sharing and boot capability; and utility
automation which...

  14/3,K/50   (Item 13 from file: 16)

05944344   Supplier Number: 53200134   (USE FORMAT 7 FOR FULLTEXT)
**Storage: Compaq Delivers Unique Integrated Storage Area Network Backup
  Solution for the Enterprise.(Company Business and Marketing)**
EDGE: Work-Group Computing Report, pNA
Nov 9, 1998
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1209

...   per library. The new library is also available in both tabletop and
rackmount configurations.
    Latest **Storage   Management** Solutions **Program** Version In
addition, a unique **storage** software bundle distributed via CD provides

tested **storage** solutions that integrate leading **backup** /restore **storage** software products with Compaq **secondary** **storage** **devices** . New versions include Compaq Insight Manager 4.2, Seagate **Backup** Exec for Windows NT version 7.2, and Backup Exec for NetWare version 8.0...

14/3,K/51   (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05786424   Supplier Number: 50276125   (USE FORMAT 7 FOR FULLTEXT)
MTI Introduces Gladiator Enterprise 3600 Fibre Channel Storage Solution for High-Bandwidth Data Center Applications
PR Newswire, p831LAM067
August 31, 1998
Language: English   Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 1087

...   such as imaging, data mining, large enterprise data warehouses, binary large objects (BLOBS) and mammoth **database** **servers** .
     Multiple application **servers** can access **storage** that is consolidated in a single, large-scale array, thereby simplifying **backup** and data management activities. As an architecturally redundant **storage** solution, the 3600 uses MTI's RAIDManager, an easy-to-use **application** for **managing** and monitoring **storage** in cross-platform and client/server environments. Even novice users can set up, configure, monitor...

14/3,K/52   (Item 15 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05786299   Supplier Number: 50276000   (USE FORMAT 7 FOR FULLTEXT)
Xinet Strengthens Archiving Capabilities of FullPress and WebNative; Integration with FlashNet Allows Seamless Archiving and Recovery.
Business Wire, p08310146
August 31, 1998
Language: English   Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 551

...   use at the customer's site, and receiving completed jobs from customers.
     SGL's FlashNet **storage** **management** **software** provides the ability to **back - up** and **archive** data to any device connected to any **server** on the **network** . FlashNet stores thumbnail previews of **archived** images for easy identification. This solution handles all aspects of the file structures with which...

14/3,K/53   (Item 16 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05757667   Supplier Number: 50242845   (USE FORMAT 7 FOR FULLTEXT)
Legato Outsources Help Desk for Networker, Storage Management Software, to 800 Support

PR Newswire, p812LAW004
August 12, 1998
Language: English   Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 471

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...provide technical support to enterprise organizations and business users
of NetWorker for NetWare, high-performance **storage   management   software**
 for **network   servers** that **backup** , recover and **archive** data under
Novell NetWare versions 3 and 4.

 14/3,K/54   (Item 17 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05467128   Supplier Number: 48286035 (USE FORMAT 7 FOR FULLTEXT)
THAT'S NOT IBM'S SEASCAPE FLOODING SAN JOSE, IT'S EL NINO
Computergram International, n3344, pN/A
Feb 10, 1998
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1558

...   is still the 3466 Network Storage Manager, small Unix server
running IBM's Adstar Distributed **Storage   Manager   software** – which is
used to make **backups** of data stored on clients and **servers** over a
network . Right now, most ADSM customers – IBM claims that over 200,000
systems are using it...

 14/3,K/55   (Item 18 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05197227   Supplier Number: 47930147 (USE FORMAT 7 FOR FULLTEXT)
Auspex purchase
Computerworld, p55
August 25, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 63

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...million. The move willlet the Santa Clara, Calif.,firm add Alphatronix's
high-availability data **management   software** to its line of multiterabyte
 network   storage   servers . Auspex's hardware ensures system
availability, but the new software will let users **back   up** critical data
without hinderingtheir access to that data.

 14/3,K/56   (Item 19 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05075957   Supplier Number: 47451688 (USE FORMAT 7 FOR FULLTEXT)

Legato Networker Uses Stac Replica
Terdoslavich, William
Computer Reseller News, p108
June 9, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 203

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
Palo Alto, Calif. - Legato Systems Inc. will be incorporating the means to
back - up individual **PCs** on the **network** by adapting Stac Replica 3.0
to work with its Networker 4.4 system **storage   management   software** .

   14/3,K/57   (Item 20 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05069640   Supplier Number: 47442227   (USE FORMAT 7 FOR FULLTEXT)
**Sun announces availability of scalable, enterprise-class storage management
   software; New family of enterprise storage management products scales to
   support thousands of nodes and numerous terabytes of data.**
Business Wire, p06040190
June 4, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1044

     Sun's enterprise **storage   management   software** family is scalable
to support thousands of **nodes** and **multiple** terabytes of data. It allows
high-performance hot or cold **database** and file system **backup** and
administration and dynamic disk **storage** configuration-maximizing system
availability and enabling users to access and protect data 24 hours a...

   14/3,K/58   (Item 21 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05011848   Supplier Number: 47359969   (USE FORMAT 7 FOR FULLTEXT)
HP Releases VirtualVault 2.0
Bournellis, Cynthia
Electronic News (1991), p084
May 5, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 511

...   priced at $20,890
   HP also released version 2.5 of its OpenView OmniBack II **storage
management   software** Unix and Windows NT environments. OmniBack II 2.5
automatically handles failures in large and heterogeneous environments by
recovering **network** and **backup - device** problems. A new
media-duplication capability makes it easy for the IT administrator to
implement...

   14/3,K/59   (Item 22 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

```
Set      Items    Description
S1    '     23    AU=(CRESCENTI J? OR CRESCENTI, J? OR PRAHLAD A? OR PRAHLAD,
                     A?)
S2        92874    RETRIEVAL? OR REDUNDAN? OR BACKUP OR BACK()UP
S3      2053665    SOFTWARE? OR PROGRAM? OR APPLICATION? OR FREEWARE? OR SHAR-
                     EWARE
S4      1651240    NODE? OR TERMINAL? OR PC? ? OR COMPUTER? ? OR CPU? ? OR WO-
                     RKSTATION? OR SERVER? ? OR DEVICE? ?
S5       962250    MANAG? OR CONTROL? ? OR AGENT?
S6       382196    STORAGE? OR ARCHIV? OR DATABASE? OR DB OR DATA()BASE?
S7       169543    S3(10N)S5
S8         4866    S7(S)S2
S9         2636    S8(10N)(S6 OR S4)
S10          73    S9 AND IC=G06F-011/14
? show file
File 348:EUROPEAN PATENTS 1978-2003/Jun W01
        (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030529,UT=20030522
        (c) 2003 WIPO/Univentio
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Bode Akintola   09-Jun-03

10/3,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01554529
Method of initiating a backup procedure
Verfahren zum Anfang einer Datensicherstellung
Methode pour initialiser une procedure de sauvegarde
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206037), 3000 Hanover Street, Palo Alto, CA
    94304, (US), (Applicant designated States: all)
INVENTOR:
  Owhadi, Eric, 52D chemin du Vinay, Le Clos Melusine, 38360 Sassenage,
    (FR)
LEGAL REPRESENTATIVE: ·
  Lloyd, Richard Graham (75503), Intellectual Property Section, Legal
    Department, HEWLETT-PACKARD FRANCE, Etablissement de Grenoble, 38053
    Grenoble Cedex 9, (FR)
PATENT (CC, No, Kind, Date): EP 1293904 A1 030319 (Basic)
APPLICATION (CC, No, Date):   EP 2001410115 010914;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14** ; G06F-009/445
ABSTRACT WORD COUNT: 27
NOTE:
  Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   200312   272
     SPEC A   (English)   200312   2237   ۱
Total word count - document A   2509
Total word count - document B   0
Total word count - documents A + B   2509

INTERNATIONAL PATENT CLASS: **G06F-011/14 ...**

...SPECIFICATION 33 and steps 34 and 35 may be performed by the BIOS, or
  alternatively the **backup** software itself may be responsible for reading
  the non-volatile **storage** medium at step 34 and invoking the shutdown
  procedure at step 35.
    It will be...

 10/3,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01456816
Restartable database loads using parallel data streams
Erneutes Starten des Ladens einer Datenbank mittels paralleler Datenstroeme
Base de donnees redemarrable avec des flux de donnees paralleles
PATENT ASSIGNEE: ·
  NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,
    Dayton, Ohio 45479, (US), (Applicant designated States: all)
INVENTOR:
  Korenevsky, Gregory, 1642 8th Street, Manhatten Beach, CA 90046, (US)
  Yung, Alex P., 646 North Pine Crest Lane, Walnut, CA 91789, (US)

LEGAL REPRESENTATIVE:
  Cleary, Fidelma et al (85871), International IP Department NCR Limited
    206 Marylebone Road, London NW1 6LY, (GB)
PATENT (CC, No, Kind, Date): EP 1246063 A2 021002 (Basic)
APPLICATION (CC, No, Date): EP 2002252273 020327;
PRIORITY (CC, No, Date): US 819275 010328
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011**/14
ABSTRACT WORD COUNT: 104
NOTE:
  Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200240   1297
      SPEC A   (English) 200240   7983
Total word count - document A   9280
Total word count - document B   0
Total word count - documents A + B   9280

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION or software entity responsible for supporting the
  relational paradigm. As its name implies, the RDBMS **server** provides
  miscellaneous services that enable **storage** , retrieval, organization and
  management of data.
    4. A **software** and/or hardware entity that utilizes the services
  provided by the RDBMS server is known...

  10/3,K/3   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01343202
Computer system and snapshot data management method
Computersystem und Schnappschussdatenverwaltungsverfahren
Systeme informatique et gestion de copie instantanee de donnees
PATENT ASSIGNEE:
  Hitachi, Ltd., (204151), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101-8010, (JP), (Applicant designated States: all)
INVENTOR:
  Mimatsu, Yasuyuki, Hitachi, Ltd., Intel.Prop.Group, New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Matsunami, Naoto, Hitachi, Ltd., Intel.Prop.Group, New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Muraoka, Kenji, Hitachi, Ltd., Intel.Prop.Group, New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Oeda, Takashi, Hitachi, Ltd., Intel.Prop.Group, New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
  Yagisawa, Ikuya, Hitachi, Ltd., Intel.Prop.Group, New Marunouchi Bldg.,
    5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
    Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1148416 A2 011024 (Basic)
APPLICATION (CC, No, Date): EP 2000117949 000821;

PRIORITY (CC, No, Date): JP 2000118012 000419
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 181
NOTE:
   Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   200143   1312
      SPEC A   (English)   200143   10332
Total word count - document A   11644
Total word count - document B   0
Total word count - documents A + B   11644

INTERNATIONAL PATENT CLASS: **G06F-011/14**
...SPECIFICATION of the accesses to the original data and the snapshot are
   done via the snapshot **management   program** . Therefore, during the
   backup , the load on the **computer** executing the snapshot **management
   program** is increased so that execution speed of other programs such as
   database programs is also...CPU's 401 and 411, memories 410 and 412, SCSI
   interfaces 403 and 413, a **database** program 404, a backup **program** 405,
   a snapshot **program** 406, an update location **management** table 407, an
   LU mode table 408, an SCSI bus 409, a disk array 410...

...SCSI bus 409 via the interfaces 403 and 413. In the memory 402 inside
   the **computer** 400, the **database   program** 404, the **backup   program**
   405, and the snapshot **management   program** 406 which are executed by
   the **CPU** 401 controlling the **computer** 400 are stored. The disk units
   420 and 421 which are controlled by the disk controller 414 are provided
   in the disk array 410. The mirroring **control   program** 412 which is
   executed by the **CPU** 411 is stored in the memory 412. The storage areas
   inside each of the disk...

...the instruction by the user. The snapshot management program 406 is a
   middleware like the **device** driver and the volume **manager** . All the
   disk access requests issued by the **database   program** 404 to the disk
   array 410 are issued to the disk array 410 via the...the mirror
   management table 416 to "Snapshot". Then, the user restarts the update of
   the **database** .
   The operation of the mirroring **control   program** 415 for each LU,
   that is, the **control** on reading/writing of data, is decided according
   to the modes of the LU as...406.
   Fig. 5 is a flowchart explaining the operation of data writing of the
   snapshot **management   program** . This processing is executed when the
   database   program 404 and the **backup** program 405 update the **storage**
   contents of the LU 422 and the LU 423 respectively.
   When the snapshot management program...the snapshot deletion to the
   backup instructing program 1542. Through the above processings, the
   online **backup** of the **database** is completed.
   With the third preferred embodiment of the present invention, the load
   on the...

10/3,K/4   (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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                     Bode Akintola   09-Jun-03

01337444
Method and apparatus for backing up data
Verfahren und Gerat zur Datensicherung
Methode et dispositif de sauvegarde de donnees
PATENT ASSIGNEE:
  ALCATEL, (201871), 54, rue la Boetie, 75008 Paris, (FR), (Applicant
    designated States: all)
INVENTOR:
  Steegmans, Frank, Dassastraat 94 B1, 2100 Deurne, (BE)
LEGAL REPRESENTATIVE:
  Rausch, Gabriele, Dr. et al (80472), Alcatel Intellectual Property
    Department, Stuttgart, 70430 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 1143338 A1 011010 (Basic)
APPLICATION (CC, No, Date):   EP 2000440069 000310;
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 188
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English)   200141   2061
     SPEC A   (English)   200141   4770
Total word count - document A   6831
Total word count - document B   0
Total word count - documents A + B   6831

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION servers BA1 to BA5 can also be networked with one another.

    The construction of the **back - up   server** BA1 is schematically
  illustrated in Figure 3 which shows only those components essential to
  the invention. The **back - up   server** BA1 comprises a connection means
  TRBA1 via which the **back - up   server** BA1 can establish the connection
  VBA1 and other connections (not shown) to the telecommunications network
  NET. The connection means TRBA1 consists for example of an interface
  card. The **back - up   server** BA1 can receive and transmit large
  quantities of data via the connection means TRBA1. The...
...and the data streams transmitted and received with the aid thereof, are
  controlled by the **back - up   server** BA1 via a control means CPUBA1
  consisting for example of a processor or a cluster of processors. The
  basic functions of the **back - up   server** BA1 are controlled by an
  operating system, for example a Unix operating system, the program...

...MEMBA1 and the command sequences of which are executed by the control
  means CPUBA1. The **storage** means MEMBA1 also store one or more **program**
  modules whose command sequences are executed by the **control** means
  CPUBA1. A **program** module of this kind is for example the **program**
  module MAN which **manages** the **storage** means MEMBA1 and sets up memory
  sections MEM1A, MEM1B and MEM1N assigned to the data...

...to one another and to the control means CPUBA1 via a bus BA1.
    For the **back - up** of data stored in the data processing **device**
  TERA, the data in the storage means MEMA1, MEMA2 and MEMA3 which are to

be...

...be backed-up. The program module MDST then establishes the connection
VA-VBA1 to the **back - up server** BA1 and logs-on to said **server** via
a log-on procedure executed by the program module MAN. Then the program
module MDST transmits the data which are to be backed-up to the **back -
up server** BA1 which stores the data in the memory section MEM1A. The
program module MDST then establishes a connection VA-VBA2 to the **back -
up server** BA2 and transmits the data to be backed-up in a second data
stream to the **back - up server** BA2. It is also possible for the
program module MDST to maintain the connections VA...

10/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01334975
**Distributed data processing system and method of processing data in
distributed data processing system**
**Verteiltes Datenverarbeitungssystem und Datenverarbeitungsverfahren in
einem verteilten Datenverarbeitungssystem**
**Systeme informatique distribue et methode informatique dans un systeme
distribue**
PATENT ASSIGNEE:
FUJI PHOTO FILM CO., LTD., (202407), 210 Nakanuma Minami-ashigara-shi,
Kanagawa-ken, 250-0193, (JP), (Applicant designated States: all)
INVENTOR:
Suto, Akio, Fuji Photo Film Co., Ltd., 210 Nakanuma,
Minamiashigara-shi,Kanagawa-ken 250-0193, (JP)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
, Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 1139235 A2 011004 (Basic)
                               EP 1139235 A3 030122
APPLICATION (CC, No, Date):   EP 2001107910 010328;
PRIORITY (CC, No, Date): JP 200091826 000329; JP 200093256 000330; JP
200157120 010301
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-017/30; H04L-029/06; **G06F-011/14**
ABSTRACT WORD COUNT: 95
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   200140   1023
     SPEC A   (English)   200140   7031
Total word count - document A   8054
Total word count - document B   0
Total word count - documents A + B   8054

...INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION the operator operates the client 20 that has been shut off
to activate connection destination **management software** (not shown) to
change a connection destination from the **server** 12, which has been
established as a default setting by the connection destination server
information parameter 20b, to the **server** 14, which has been established

as a **backup**   **server** .
   The connection destination management software of the client 20 is
   configured to appoint the server...

  10/3,K/6   **(Item 6 from file: 348)**
  DIALOG(R)File 348:EUROPEAN PATENTS
  (c) 2003 European Patent Office. All rts. reserv.

  01267741
  System and method for purging database update image files after completion
      of associated transactions.
  System und Methode fur das Loschen von Datenbank-Aktualisierungsbilddateien
      nach Abschluss der dazugehorigen Transaktionen
  Systeme et methode pour purger la base de donnees de fichiers de mise a
      jour d'images a la fin des transactions associees
  PATENT ASSIGNEE:
    Compaq Computer Corporation, (687792), 20555 S.H. 249, Houston Texas
      77070, (US), (Applicant designated States: all)
  INVENTOR:
    Mosher, Malcolm, 14651 Golf Links Drive, Los Gatos, California, (US)
    Whitworth. P., Simon, 3945 Bucknall Road, Campbell, California, (US)
  LEGAL REPRESENTATIVE:
    Brunner, Michael John (28871), GILL JENNINGS & EVERY, Broadgate House, 7
      Eldon Street, London EC2M 7LH, (GB)
  PATENT (CC, No, Kind, Date): EP 1093055 A2 010418 (Basic)
                                EP 1093055 A3 020403
  APPLICATION (CC, No, Date):   EP 2000309068 001016;
  PRIORITY (CC, No, Date): US 418425 991014
  DESIGNATED STATES: DE; FR; GB
  EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
  INTERNATIONAL PATENT CLASS: **G06F-011/14**
  ABSTRACT WORD COUNT: 243
  NOTE:
    Figure number on first page: NONE

  LANGUAGE (Publication,Procedural,Application): English; English; English
  FULLTEXT AVAILABILITY:
  Available Text Language   Update   Word Count
       CLAIMS A (English)   200116   2887
       SPEC A   (English)   200116   16523
  Total word count - document A   19410
  Total word count - document B   0
  Total word count - documents A + B   19410

  INTERNATIONAL PATENT CLASS: **G06F-011/14**

  ...ABSTRACT A2
    A primary **computer** system has a **database** , **application** programs
    that modify the local **database** , and a transaction **manager** that stores
    audit records in a local image trail reflecting those application program
    modifications to the local **database** . In a remote **backup** system, a
    Receiver process receives audit records from the primary system. The
    audit records include...

  ...image trails. For each image trail there is an Updater process that
    applies to a **backup**   **database** volume the **database** updates and
    backouts indicated by the audit update and audit backout records in the
    image...

10/3,K/7   (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01256480
Data migration method using storage area network (SAN)
Verfahren zur Datenmigration mit Speicherbereichnetz (SAN)
Methode de migration de donnees en utilisant un reseau a zone de memoire
   (SAN)
PATENT ASSIGNEE:
  Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101-8010, (JP), (Applicant designated States: all)
INVENTOR:
  Obara, Kiyohiro, c/o Hitachi, Ltd., 5-1, Marunouchi 1-chome, Chiyoda-ku,
    Tokyo 100-8220, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
    Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1085414 A2 010321 (Basic)
APPLICATION (CC, No, Date):   EP 117164 000810;
PRIORITY (CC, No, Date): JP 99252629 990907
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 129
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A   (English)   200112   2495
     SPEC A   (English)   200112   6432
Total word count - document A   8927
Total word count - document B   0
Total word count - documents A + B   8927

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION into magnetic tape storage 14. Restore is a process that
  reads data from magnetic tape **storage** 14 and writes it to disk **control**
  unit 7.
    While the **application   program** is running, care must be taken when
  backing up or restoring data which the program...

...be finished. So as to be able to backup data even under these
  conditions, some **application** programs for a **database   management**
  system (DBMS) have a hot **backup** mode. When a DBMS enters the hot backup
  mode, the updating of areas where data released, the temporarily stored
  data is returned to the original data **storage** area. For the automatic
  and efficient **backup** process, the **backup** utility **program** also
  performs such functions as **control** of the hot **backup** mode of the
  application   program .
    FIG. 3 shows an example configuration of a **computer** system that uses
  a SAN. The SAN is a configuration that, using fiber channel (FC...that is
  using data of the disk unit that is the backup object; and,
    a **computer** system is characterized in that the utility **program** on
  said second host **computer   controls** the **program** that modifies the

contents of the data that is said backup object so that the...

...that is using data of the disk unit that is the backup object; and
   a **computer** system is characterized in that the utility **program** on
said second host **computer** **controls** the **program** that modifies the
contents of the data that is said backup object so that the...

10/3,K/8   (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01137838
SYSTEM BACKUP AND RECOVERY
SYSTEMSICHERUNG UND WIEDERHERSTELLUNG
SAUVEGARDE ET RECUPERATION DE SYSTEME
PATENT ASSIGNEE:
  Hewlett-Packard Company, A Delaware Corporation, (3016020), 3000 Hanover
    Street, Palo Alto, CA 94304, (US), (Proprietor designated states: all)
INVENTOR:
  GOLD, Stephen, Rock Cottage, Stone Lane, Winterbourne Down, Bristol BS36
    1DJ, (GB)
  CRIGHTON, Ian Peter, First Floor Flat, Arvalee, Clifton Down Road,
    Clifton, Bristol BS8 4AH, (GB)
LEGAL REPRESENTATIVE:
  Lawman, Matthew John Mitchell et al (84551), Hewlett-Packard Limited, IP
    Section, Building 3, Filton Road, Stoke Gifford, Bristol BS34 8QZ, (GB)
PATENT (CC, No, Kind, Date):   EP 1101164 A1   010523 (Basic)
                               EP 1101164 B1   030102
                               WO 2000008561   000217
APPLICATION (CC, No, Date):   EP 99940291 990806; WO 99GB2594   990806
PRIORITY (CC, No, Date): EP 98306358 980807
DESIGNATED STATES (Pub A): AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE;
   IT; LI; LU; MC; NL; PT; SE; (Pub B): DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200301	2933
CLAIMS B	(German)	200301	1523
CLAIMS B	(French)	200301	2097
SPEC B	(English)	200301	18196
Total word count - document A			0
Total word count - document B			24749
Total word count - documents A + B			24749

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION drives include DDS(TM) and LTO(TM) compliant tape drives,
   both available from HP.
   Generally, **backup   application   software** comprises one or more
computer programs for **managing** data **backup** and restore operations on
a **computer** system. Typically, the software provides a user interface,
which gives the user the opportunity to...

...whole hard disk system). In addition, backup application software
   typically permits the user to schedule **backup** operations to occur when
   the **computer** system is not being used, for example at midnight each

night. Then, at midnight each...

10/3,K/9   (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01136590
**Provision of continuous database service and scalable query performance
using active redundant copies**
**Bereitstellung von kontinuierlichen Datanbankdiensten und skalierbarer
Suchleistung durch aktive redundante Kopien**
**Provision de service de base de donnees et performance d'interrogation
echelonnable par l'usage des copies redondantes**
PATENT ASSIGNEE:
  NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,
    Dayton, Ohio 45479, (US), (Applicant designated States: all)
INVENTOR:
  Robinson, Irving M., 11105 Papoose Court, San Diego CA 92127, (US)
  ANTOUN, Selim Zoher, 1241 Del Mar Heights Rd., Del Mar, CA 92014, (US)
  Dempster, Pataric B., 59 Pape Drive, Atlantic Highlands NJ 07716, (US)
  MacDonald, Robert J., 14308 Bourgeois Way, San Diego CA 92129, (US)
  Stellwagen Jr., Richard G., 13035 Camino Del Valle, Poway CA 92064, (US)
  Blevins, Terence J., 1083 Highpoint Drive, Springboro OH 45066, (US)
  Ramsey, David Allen, 124 Belle Chase Drive, Lexington SC 29072, (US)
LEGAL REPRESENTATIVE:
  Cleary, Fidelma et al (85871), International IP Department NCR Limited
    206 Marylebone Road, London NW1 6LY, (GB)
PATENT (CC, No, Kind, Date):   EP 992909   A2   000412 (Basic)
                               EP 992909   A3   011219
APPLICATION (CC, No, Date):   EP 99307381 990917;
PRIORITY (CC, No, Date): US 163708 980930
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 126
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 200015   787
      SPEC A   (English) 200015   4034
Total word count - document A   4821
Total word count - document B   0
Total word count - documents A + B   4821

INTERNATIONAL PATENT CLASS: **G06F-011/14**
...SPECIFICATION redundancy group 104 does not cease proper functionality.
  The limits of redundancy group functionality and **database** 204 access is
  limited by scenarios outside of the **control** of the **computer** system,
  e.g., unplanned hardware or **software** malfunctions, etc.

  Computer Architecture Model
    FIG. 4 illustrates a model of the computer architecture of a computing
  system...

10/3,K/10   (Item 10 from file: 348)

01121589
Method and apparatus for providing failure detection and recovery with predetermined degree of replication for distributed applications in a network
Verfahren und Vorrichtung zur Fehlererkennung und Wiederherstellung mit vorbestimmtem Replikationsgrad fur verteilte Anwendungen in einem Netzwerk
Procede et appareil pour detection de defaillance et recouvrement avec degre predetermine de replication pour des applications distribuees dans un reseau
PATENT ASSIGNEE:
  LUCENT TECHNOLOGIES INC., (2143720), 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, (US), (Proprietor designated states: all)
  Academia Sinica, (2170753), 128 Sec. 2, Academic Road, Nan-Kang, Taipei, (TW), (Proprietor designated states: all)
INVENTOR:
  Chung, Pi-Yu, 15802 SE 58th Street, Bellevue, Washington 98006, (US)
  Huang, Yennun, 33 Linberger Drive, Bridgewater, New Jersey 08807, (US)
  Liang, Deron, Institute of Infor. SCI Academia Sinica, Taiwan 11529, (TW)
  Shih, Chia-Yen, 30 Johnston Drive, Murray Hill, New Jersey 07974, (TW)
  Yajnik, Shalini, 222 Country Club Lane, Scotch Plains, New Jersey 07076, (TW)
LEGAL REPRESENTATIVE:
  Watts, Christopher Malcolm Kelway, Dr. (37391), Lucent Technologies (UK) Ltd, 5 Mornington Road, Woodford Green Essex, IG8 0TU, (GB)
PATENT (CC, No, Kind, Date):   EP 981089   A2   000223 (Basic)
                               EP 981089   A3   010606
                               EP 981089   B1   030514
APPLICATION (CC, No, Date):   EP 99305518 990712;
PRIORITY (CC, No, Date): US 119140 980720
DESIGNATED STATES: DE; ES; FR; GB; IT; NL
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 232
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200008	1588
CLAIMS B	(English)	200320	1075
CLAIMS B	(German)	200320	905
CLAIMS B	(French)	200320	1155
SPEC A	(English)	200008	4381
SPEC B	(English)	200320	4608
Total word count - document A			5971
Total word count - document B			7743
Total word count - documents A + B			13714

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...CLAIMS copies to execute and to assume the processing functions of the failed copy, said one **backup** copy retrieving from said checkpoint **server** the last stored state of the failed copy of the application module.
  5. The computer...

...failed running copy only after the number of failures of that one copy
        of said **application** module reaches a predetermined threshold.
    11. A fault- **managing** **computer** apparatus on a host **computer** in a
        computer system, said apparatus comprising:
      a manager daemon process for receiving an indication of a failure...
        wherein upon said failure-detection daemon process detecting a
        failure of one of the host **computers** on which a copy of the
        application module is running, said **manager** daemon process signals
        one of said at least one idle backup copies to assume the...

...CLAIMS or an indication from the watchdog daemon process running on any
        of the other host **computers** that the **backup** copy of the
        application module running on it has failed, the replica **manager**
        daemon process in response to receiving an indication of the failure
        of the copy of the application module running on any of the host
        computers initiating failure recovery with the **backup** copy on at
        least one of the other host **computers** that has a **backup** copy of
        the **application** module on it, characterized in that:
      the replica **manager** daemon process automatically executes at least one
        of the idle **backup** copies of the application module on at least one
        host **computer** when a failure of a copy of the application module
        running on any of the...

...registration message that is received by the replica daemon process from
        the copy of the **application** module running on the first host
        computer .
    2. The fault **managing** **computer** apparatus of claim 1 further
        comprising:
      a checkpoint **server** (110) connected to the network, the checkpoint
        server periodically storing the states of the running...
...processing functions of the failed copy of the application module and
        retrieves from the checkpoint **server** the last stored state of the
        failed copy of the **application** module.
    4. The fault **managing** **computer** apparatus of claim 3 further
        comprising:
      a superwatchdog daemon process (115-1) running on the...

...functions of that copy of the application module, the backup copy
        retrieving from the checkpoint **server** the last stored state of that
        copy of the **application** module.
    6. The fault **managing** **computer** apparatus of claim 5 wherein the
        registration message received by the replica manager daemon process
        ...

 10/3,K/11   (Item 11 from file: 348)

**Method and apparatus for providing failure detection and recovery with
    predetermined replication style for distributed applications in a
    network**
**Verfahren und Vorrichtung zur Fehlererkennung und Wiederherstellung mit
    vorbestimmter Replikationsart fur verteilte Anwendungen in einem
    Netzwerk**
**Procede et appereil pour detection de defaillance et recouvrement avec
    methode predeterminee de replication pour des applica**tions distribuees

Bode Akintola   09-Jun-03

dans un reseau

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200004	1732
CLAIMS B	(English)	200320	1377
CLAIMS B	(German)	200320	1143
CLAIMS B	(French)	200320	1521
SPEC A	(English)	200004	4380
SPEC B	(English)	200320	4611
Total word count - document A			6114
Total word count - document B			8652
Total word count - documents A + B			14766

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...CLAIMS the replica manager daemon process being operative to receive an
    indication from the first host **computer** 's watchdog daemon process
    that the copy of the **application** module running on it has failed,
    the replica **manager** daemon process, in response to receiving an
    indication of the failure of the copy of the application module
    running on the first host **computer** , initiating failure recovery
    with the **backup** copy of the failed application module that is on at
    least one of the other...

...replication style that is specified in a registration message that is
    received by the replica **manager** daemon process from the copy of the
    application module running on the first host **computer** .
  2. The fault **managing   computer** apparatus of claim 1 wherein the
    replication style specified in the registration message indicates
    whether...

...one of the other host computers simultaneously while it is running on

the first host **computer** , and if the **backup** copy is to run
simultaneously, whether the backup copy can receive and respond to a
...

...processing functions of the failed copy of the application module and
retrieves from the checkpoint **server** the last stored state of that
copy of the **application** module.
6. The fault **managing computer** apparatus of claim 4 further
comprising:
a superwatchdog daemon process (115-1) running on the...

...functions of that copy of the application module, the backup copy
retrieving from the checkpoint **server** the last stored state of that
copy of the **application** module.
8. The fault **managing computer** apparatus of claim 3 wherein the
registration message further specifies a degree of replication that
...

10/3,K/12   (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01074522
External storage device and method for data saving, data backup
Externe Speichervorrichtung und Verfahren zur Datensicherung
Dispositif de memoire externe et methode de sauvegarde de donnees
PATENT ASSIGNEE:
  Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101-8010, (JP), (Applicant designated States: all)
INVENTOR:
  Susuki, Hiroyoshi, 4-28, Syouei-cho, Numazu-shi, Shisuoka-ken, (JP)
  Toochi, Mamoru, 3-17, Norisada 6-chome, Ube-shi, Yamaguchi-ken, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
    Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 945801 A2 990929 (Basic)
APPLICATION (CC, No, Date): EP 99105801 990322;
PRIORITY (CC, No, Date): JP 9875214 980324
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 163
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A   (English) 9939   396
     SPEC A   (English) 9939   8743
Total word count - document A   9139
Total word count - document B   0
Total word count - documents A + B   9139

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION In a configuration having multiple disk drives becoming a
  disk array, spare drives, and a **backup device** are provided and

controlled by a disk array controller. The spare drive is used as a data transfer buffer when transferring data transfer from the disk drives to the **backup device** . Japanese Patent Application No. 6-168080 discloses a technique for preventing old backup data from...

...is necessary or not with respect to a file to be stored in an auxiliary **storage** . Thus, a **backup** is automatically performed when the flag area in the file **management** information specifies that a **backup** is necessary. Japanese Patent **Application** No. 8-212142 discloses a data **backup** system for a **database** which performs a data **backup** using a **backup control** file and a history file. Japanese Patent **Application** No. 9-50394 discloses an automatic data saving system in which an automatic activating unit...

...saving unit, and the like are provided in a computer to which a direct access **storage** and a magnetic tape **device** are connected. Data **backup** is performed by a job control statement requesting a saving process created by the saving...

...method which performs differential backup by providing a differential managing mechanism for recording/managing a **backup** generation and the like for each block in an external **storage** as a part of the kernel in which an operating system exists. Japanese Patent Application No. 10-283121 discloses a data **backup** system which executes a data **backup** without using a **CPU** , main memory unit or a system bus by judging which one of the main memory...

10/3,K/13   (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01033014
DATA BACKUP AND RECOVERY SYSTEMS
SYSTEMEN ZUR DATENSICHERUNG UND -RUCKGEWINNUNG
SYSTEMES DE SAUVEGARDE ET DE RECUPERATION DE DONNEES
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206031), Mail Stop 20 B-O, 3000 Hanover Street,
    Palo Alto, California 94304, (US), (Proprietor designated states: all)
INVENTOR:
  GOLD, Stephen, Rock Cottage, Stone Lane, Winterbourne Down, Bristol BS36
    1DJ, (GB)
  BATHIE, Jon, 39 North Road, St. Andrews, Bristol BS6 5AD, (GB)
  KING, Peter, 30A Knapp Road, Thornbury, Bristol BS35 2HD, (GB)
  CRIGHTON, Ian, Peter, 49 Royal York Crescent, Clifton, Bristol BS8 4JS,
    (GB)
LEGAL REPRESENTATIVE:
  Lawman, Matthew John Mitchell et al (84552), Hewlett-Packard Limited, IP
    Section, Building 3, Filton Road, Stoke Gifford, Bristol BS34 8QZ, (GB)
PATENT (CC, No, Kind, Date): EP 1008048 A1   000614 (Basic)
                              EP 1008048 B1   011031
                              WO 9912098   990311
APPLICATION (CC, No, Date):   EP 98940428 980828; WO 98GB2603   980828
PRIORITY (CC, No, Date): EP 97306628 970829; EP 97306629 970829
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

```
Available Text  Language   Update    Word Count
     CLAIMS B   (English)  200144      1151
     CLAIMS B   (German)   200144      1107
     CLAIMS B   (French)   200144      1283
     SPEC B     (English)  200144     10023
Total word count - document A                0
Total word count - document B            13564
Total word count - documents A + B       13564
```

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION servers typically provide a common central point for some
  fimction such as shared hard disk **storage** , data **backup   storage** ,
  software   applications or printer **control** .
    There are a number of current schemes used for backing up data on the
  network...

...on client users and backup system administrators alike.
    EP 410 630 describes the scheduling for **storage** of data sets in
  either an **application** or system **managed   storage** context using an
  algorithm in which relatively less data and smaller backup interval
  (window) times...

 10/3,K/14   (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00994646
Improved disk log using distributed write
Verbesserter Disk-Log mit verteiltem Schreibsystem
Disque-log ameliore avec systeme d'enregistrement reparti
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
    California 94304, (US), (Applicant designated States: all)
INVENTOR:
  Voigt, Douglas L., 3030 N. 24th, Boise, Idaho 83702, (US)
  Burkes, Don L., 3100 San Ramon Dr., Meridian, ID 83642, (US)
  Hanson, Kirk A., 1129 West Newfield Dr., Eagle, Idaho 83616, (US)
LEGAL REPRESENTATIVE:
  Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe, Zimmermann & Stockeler
    Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 899731 A2 990303 (Basic)
                              EP 899731 A3 001011
APPLICATION (CC, No, Date):   EP 98105564 980326;
PRIORITY (CC, No, Date): US 920120 970826
DESIGNATED STATES: DE; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G11B-019/02; G11B-027/00; G11B-027/10;
  G11B-020/12; **G06F-011/14**
ABSTRACT WORD COUNT: 253
NOTE:
  Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
```
Available Text  Language   Update    Word Count
     CLAIMS A   (English)  9909         577
     SPEC A     (English)  9909        5730
Total word count - document A          6307
```

Total word count - document B   0
Total word count - documents A + B   6307

...INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION disk array 11 has multiple storage disk drive devices 12.
   The management of redundancy on **devices** 12 is coordinated by RAID
   management system 16. When viewed by the user or host **application**
   program , an application-level virtual view can represent a single large
   storage capacity indicative of the available storage space on storage
   disks 12. RAID management system 16...

 10/3,K/15   (Item 15 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00994501
Backup and restore system for a computer network
System zur Datensicherung/Wiederherstellung fur ein Rechnernetzwerk
Systeme de sauvegarde et de restauration de donnees pour reseau
   informatique
PATENT ASSIGNEE:
  Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
    California 94304, (US), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Gold, Stephen, Rock Cottage, Stone Lane, Winterbourne Down, Bristol
    BS17 1DJ, (GB)
  Bathie, Jon, 39 North Road, St.Andrews, Bristol BS6 5 AD, (GB)
  King, Peter, 30A Knapp Road, Thornbury, Bristol BS12 2HD, (GB)
  Crighton, Ian Peter, 15 Bishop Crescent, Shepton Mallet, Somerset BA4
    5XX, (GB)
LEGAL REPRESENTATIVE:
  Lawman, Matthew John Mitchell et al (84551), Hewlett-Packard Limited, IP
    Section, Building 2, Filton Road, Stoke Gifford, Bristol BS12 6QZ, (GB)
PATENT (CC, No, Kind, Date): EP 899662 A1 990303 (Basic)
APPLICATION (CC, No, Date):   EP 97306628 970829;
PRIORITY (CC, No, Date): EP 97306628 970829
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 192

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A   (English)   9909   557
     SPEC A   (English)   9909   8751
Total word count - document A   9308
Total word count - document B   0
Total word count - documents A + B   9308

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...ABSTRACT and multiple servers (230) are connected via a local area
   network (LAN) (220) to a **backup** file **server** (240). Each client (210)
   and each **server** is provided with **backup** **agent** **software** (215),
   which schedules **backup** operations on the basis of time since the last
   backup, the amount of information generated...

...the last backup, or the like. An agent (215) also sends a request to the
backup server (240), prior to an actual **backup** , including
information representative of the files that it intends to **back up** .
The backup **server** (240) is provided with a mechanism to receive
backup requests from the client agents (215...

...SPECIFICATION 215a are illustrated in the diagram in Figure 3. Each
module comprises one or more **software** routines, written for example in
the C++ programming language, which **control** the client **workstation**
210a to process data and communicate with the **backup server** 240 as
described in detail below. The software routines are stored on a hard
disk...

10/3,K/16   (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00959836
Device and method for backing up internal information and storage **medium
having internal information** backup control program **stored thereon**
**Vorrichtung und Verfahren zur internen Informationssicherung und
Speichermedium mit Sicherungssteuerprogramm**
**Dispositif et methode pour la sauvegarde d'information interne et medium de
stockage avec logiciel de controle de sauvegarde**
PATENT ASSIGNEE:
  NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),
    (Applicant designated States: all)
INVENTOR:
  Tanuma, Hiroyuki, NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo,
    (JP)
LEGAL REPRESENTATIVE:
  Baronetzky, Klaus, Dipl.-Ing. et al (57481), Splanemann Reitzner
    Baronetzky Westendorp Patentanwalte Rumfordstrasse 7, 80469 Munchen,
    (DE)
PATENT (CC, No, Kind, Date): EP 871122 A2 981014 (Basic)
                              EP 871122 A3 011031
APPLICATION (CC, No, Date):   EP 98105863 980331;
PRIORITY (CC, No, Date): JP 9790403 970409
DESIGNATED STATES: DE; FR; IT
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 159
NOTE:
  Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 9842   1483
      SPEC A   (English) 9842   4290
Total word count - document A   5773
Total word count - document B   0
Total word count - documents A + B   5773

Device and method for backing up internal information and storage **medium
having internal information** backup control program **stored thereon**
INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION invention relates to an internal information backing up

device and method as well as a **storage** medium having an internal
information backup **control** **program** stored thereon, and more
particularly to a **backup** of information for operating a firmware in a
device into which a firmware is incorporated.

2. Description of the Related Art
   Conventionally, in a...

...invention to provide an internal information backing up device and
method as well as a **storage** medium having an internal information
backup **control** **program** stored thereon, in which the problem described
above can be eliminated and, even if the...

10/3,K/17 **(Item 17 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00959017
**Hierarchical storage management from a mirrored file system on a storage
network segmented by a bridge**
**Hierarchische Speicherverwaltung eines gespiegelten Dateiensystems in einem
durch eine Brucke segmentierten Speichernetzwerk**
**Gestion de memoire hierarchique d'un systeme de fichiers miroirs dans un
reseau segmente par un pont**
PATENT ASSIGNEE:
  Gadzoox Networks, Inc., (2452040), 6840 Via Del Oro, Suite 290, San Jose,
    Ca. 95119, (US), (applicant designated states:
    AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Chin, Howey Q., 1804 Schooldale Drive, San Jose, CA 95124, (US)
  Chan, Kurt, 6595 Pueblo Court, Roseville, CA 95746, (US)
LEGAL REPRESENTATIVE:
  Brax, Matti Juhani (85201), Berggren Oy Ab, P.O. Box 16, 00101 Helsinki,
    (FI)
PATENT (CC, No, Kind, Date): EP 869439 A1 981007 (Basic)
APPLICATION (CC, No, Date): EP 98660029 980401;
PRIORITY (CC, No, Date): US 825683 970401
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 151

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   9841   1707
     SPEC A   (English)   9841   30022
Total word count - document A   31729
Total word count - document B   0
Total word count - documents A + B   31729

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...CLAIMS coupled by said primary local area network to said primary memory
    and coupled to said **backup** and heirarchical **storage** **management**
    processor via said third local area network, and **programmed** to
    carry out read and write transactions with said primary memory over
    said primary local...

...said mirrored memory by sending the same data written on said primary
    memory to said **backup** and heirarchical **storage** management
    processor via said third local area memory;
  and wherein said backup and heirarchical **storage** **management**
    processor is **programmed** to receive data transmissions of said
    mirrored write transactions and write said data to said...to said
    backup data storage devices.
  10. The apparatus of claim 8 wherein said backup **server** **computer** is
    programmed to perform heirarchical **storage** **managements**
    operations by scanning the file structures of data stored on said one
    or more disk...

...a result of said read transactions and writing said data to
    predetermined one of said **backup** data **storage** **devices** .
  11. An opportunity comprising:
  first and second Fibre Channel Arbitrated Loops;
  a first array of...

 10/3,K/18   (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00912141
METHOD FOR INDEPENDENT AND SIMULTANEOUS ACCESS TO A COMMON DATA SET
VERFAHREN   ZUM   UNABHANGIGEN UND GLEICHZEITIGEN ZUGRIFF AUF EINE GEMEINSAME
    DATENSAMMLUNG
PROCEDE   PERMETTANT   UN   ACCES INDEPENDANT ET SIMULTANE A UN JEU DE DONNEES
    COMMUNES
PATENT ASSIGNEE:
  EMC CORPORATION, (1739001), 171 South Street, Hopkinton, MA 01748-9103,
    (US), (Proprietor designated states: all)
INVENTOR:
  OFEK, Yuval, 13 Forest Lane, Hopkinton, MA 01748, (US)
LEGAL REPRESENTATIVE:
  Warren, Anthony Robert et al (37331), BARON & WARREN, 18 South End,
    Kensington, London W8 5BU, (GB)
PATENT (CC, No, Kind, Date): EP 902923 A1 990324 (Basic)
                              EP 902923 B1 020220
                              WO 9745790 971204
APPLICATION (CC, No, Date):   EP 97927901 970529; WO 97US9419 970529
PRIORITY (CC, No, Date): US 656035 960531; US 842953 970425
DESIGNATED STATES: DE; FR; GB; IT; SE
INTERNATIONAL PATENT CLASS: **G06F-011/14**
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
    CLAIMS B (English)   200208   888
    CLAIMS B   (German)   200208   760
    CLAIMS B   (French)   200208   1005
    SPEC B   (English)   200208   16377
Total word count - document A   0
Total word count - document B   19030
Total word count - documents A + B   19030

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION such as on-line transaction application or other priority

processing applications and decision support system, **backup** and other **applications** that characterize **data base management** system operations.

Computer implemented **data base** management systems are exemplary of systems that operate with what can become two antithetical considerations...

...allow the generation of an address concordance for the designated data sets. Execution of the **application** then resumes. A resource **manager** is established to **manage** all input and output functions between the **storage** sub-systems and associated memory and temporary memory. The **backup** copy is formed on a scheduled and opportunistic basis by copying the designated data sets...

10/3,K/19   (Item 19 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00884212
Apparatus and method for the availability and recovery of files using copy storage pools
Vorrichtung und Verfahren fur die Verfugbarkeit und Wiedergewinnung von Dateien unter Verwendung von Sammlungen von Kopierspeicher
Dispositif et methode de disposibilite et recuperation de fichiers utilisant des ensembles de memoires de copie
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
INVENTOR:
  Cannon, David Maxwell, 8603 E. 24th Street, Tucson, Arizona 85710, (US)
  Kaczmarski, Michael Allen, 1481 N. Placita Ombria, Tucson, Arizona 85715, (US)
  Warren, Donald Paul, Jr., 1067 W. Pennsylvania, Tucson, Arizona 85714, (US)
LEGAL REPRESENTATIVE:
  Zerbi, Guido Maria (77893), Intellectual Property Department, IBM United Kingdom Ltd., Hursley Park, Winchester, Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 809184 A1 971126 (Basic)
                              EP 809184 B1 020731
APPLICATION (CC, No, Date):   EP 97303323 970515;
PRIORITY (CC, No, Date): US 652042 960523
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 132
NOTE:
  Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199711W3	1738
CLAIMS B	(English)	200231	1980
CLAIMS B	(German)	200231	1762
CLAIMS B	(French)	200231	2495
SPEC A	(English)	199711W3	7404
SPEC B	(English)	200231	7142
Total word count - document A			9143
Total word count - document B			13379
Total word count - documents A + B			22522

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION second volume must be duplicated once the data compression
is complete.
   As stated previously, the **server** system contains a **storage**
subsystem for storing one or more **back - up** copies of client files. The
storage subsystem within the **server** system need not be limited to a
single type of storage device. In fact, server...

...the device per storage unit (i.e. cost per megabyte). A server system
containing different **storage devices** grouped in a **storage** hierarchy
uses a **computer application program** called a hierarchical **storage
manager** to maintain data files within the **storage** hierarchy. The
storage manager migrates data files between the various levels of the
data storage hierarchy using storage...

...SPECIFICATION the redirected logon. These drawbacks are overcome in the
present invention.
   As stated previously, the **server** system contains a **storage**
subsystem for storing one or more **back - up** copies of client files. The
storage subsystem within the **server** system need not be limited to a
single type of storage device. In fact, server...

...the device per storage unit (i.e. cost per megabyte). A server system
containing different **storage devices** grouped in a **storage** hierarchy
uses a **computer application program** called a hierarchical **storage
manager** to maintain data files within the **storage** hierarchy. The
storage manager migrates data files between the various levels of the
data storage hierarchy using storage...

 10/3,K/20   (Item 20 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00836637
**System for backing up files from disk volumes on multiple nodes of a
   computer network**
**Verfahren zur Dateisicherung von Festplattenvolumen in einem
   Vielfachknotenrechnernetzwerk**
**Systeme de sauvegarde de fichiers sur des volumes de disques dans des
   noeuds multiples d'un reseau d'ordinateur**
PATENT ASSIGNEE:
  Stac Electronics, (2216430), 12636 High Bluff Drive, Suite 400, San
    Diego, California 92130-2093, (US), (applicant designated states:
    DE;GB)
INVENTOR:
  Whiting, Douglas L., 3312 Febo Court, Carlsbad, California 92009, (US)
  Dilatush, Tom, 1052 Cuyamac Avenue, Chula Vista, California 91911, (US)
LEGAL REPRESENTATIVE:
  Wombwell, Francis et al (46021), Potts, Kerr & Co. 15, Hamilton Square,
    Birkenhead Merseyside L41 6BR, (GB)
PATENT (CC, No, Kind, Date): EP 774715 A1 970521 (Basic)
APPLICATION (CC, No, Date): EP 96307628 961021;
PRIORITY (CC, No, Date): US 546727 951023
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 246

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:
```
Available Text  Language    Update     Word Count
      CLAIMS A  (English)   EPAB97       1498
      SPEC A    (English)   EPAB97      21689
Total word count - document A           23187
Total word count - document B               0
Total word count - documents A + B      23187
```

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION the files out even further on the tape than they would be in a full **backup** .
  For a single standalone **computer** , the configuration for backup consists of adding a backup device (e.g., tape drive) to...2), where it posts backup data. A backup administrator configures the backup system using administrator **software** functions provided as part of the product. A **backup** **Agent** process 108, which runs on a network **node** 107 selected by the **backup** administrator, migrates the posted files to the system directory (e.g. (back slash)BACKUP(back...

...make it read-only to all nodes (except the Agent 108), so that no user **node** can corrupt the migrated **backup** data, intentionally or inadvertently. While it would not be strictly necessary to use two directories...and actions may become necessary.

  5.1 Installation
    The backup administrator should install the backup **software** on the **Agent** **computer** 107 (which may be his own desktop) and should set up the network directory structure...

 10/3,K/21   (Item 21 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00772573
SNAPSHOT OF DATA STORED ON A MASS STORAGE SYSTEM
SCHNAPPSCHUSS VON AUF EINEM MASSENSPEICHERSYSTEM GESPEICHERTEN DATEN
IMAGE INSTANTANEE STATIQUE DES DONNEES STOCKEES DANS UN SYSTEME DE MEMOIRE
    DE MASSE
PATENT ASSIGNEE:
  Legato Systems Inc., (1900671), 2350 West El Camino Real, Mountain View,
    California 94040, (US), (Proprietor designated states: all)
INVENTOR:
  OHRAN, Richard, S., 71 West 4750 North, Provo, UT 84604, (US)
  OHRAN, Michael, R., 109 South 200 East, Orem, UT 84058, (US)
LEGAL REPRESENTATIVE:
  Orr, William McLean (34536), Urquhart-Dykes & Lord, Tower House, Merrion
    Way, Leeds LS2 8PA, (GB)
PATENT (CC, No, Kind, Date): EP 786111 A1 970730 (Basic)
                              EP 786111 A1 980128
                              EP 786111 B1 030416
                              WO 96012232 960425
APPLICATION (CC, No, Date):   EP 95937485 951010; WO 95US13324   951010
PRIORITY (CC, No, Date): US 322697 941013
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
  NL; PT; SE
EXTENDED DESIGNATED STATES: LT; LV; SI
INTERNATIONAL PATENT CLASS: G06F-012/16; G06F-012/08; **G06F-011/14**
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200316	2096
CLAIMS B	(German)	200316	1682
CLAIMS B	(French)	200316	2402
SPEC B	(English)	200316	4327
Total word count - document A			0
Total word count - document B			10507
Total word count - documents A + B			10507

...INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION as being stored in memory. A unique control block can be associated with a virtual **storage** **device** .
  US-5163148 describes a file **back** **up** system allowing **back** **up** of a file as it is being updated. After the back up of a file...

10/3,K/22   (Item 22 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00677910
**SYSTEM AND METHOD FOR DISTRIBUTED STORAGE MANAGEMENT ON NETWORKED COMPUTER
    SYSTEMS**
**ANORDNUNG UND VERFAHREN ZUR VERTEILTEN DATENVERWALTUNG IN VERNETZTEN
    RECHNERSYSTEMEN**
**SYSTEME ET PROCEDE DE GESTION DE MEMOIRE REPARTIE SUR DES SYSTEMES
    INFORMATIQUES EN RESEAU**
PATENT ASSIGNEE:
  LEGENT CORPORATION, (1810771), 2000 Park Lane, Pittsburgh, PA 15275, (US)
  , (applicant designated states:
  AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  WOODHILL, James, R., 1960 Haddon Avenue, Houston, TX 77019, (US)
  WOODHILL, Louis, R., 2114 Pecan Trail Drive, Richmond, TX 77469, (US)
  MORE, William, Russell, Jr., 786 Thicket, Houston, TX 77079, (US)
  BERLIN, Jay, Harris, 9111 Landdowne Drive, Houston, TX 77096, (US)
LEGAL REPRESENTATIVE:
  O'Connell, David Christopher (62551), Haseltine Lake & Co., Imperial
    House, 15-19 Kingsway, London WC2B 6UD, (GB)
PATENT (CC, No, Kind, Date): EP 706686 A1 960417 (Basic)
                              EP 706686 B1 981014
                              WO 9501599 950112
APPLICATION (CC, No, Date): EP 94921476 940701; WO 94US7561 940701
PRIORITY (CC, No, Date): US 85596 930701
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
  NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-011/14**
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9842	1339
CLAIMS B	(German)	9842	1212
CLAIMS B	(French)	9842	1608
SPEC B	(English)	9842	12620

Total word count - document A   0
Total word count - document B   16779
Total word count - documents A + B   16779

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION the Distributed Storage Manager program of the present
   invention;
     FIG. 4 illustrates the Backup Queue **Database** utilized by the
   Distributed **Storage   Manager   program** of the present invention; and
     FIGS. 5a - 5l illustrate flow charts explaining the operation of...

...and as is shown in FIG. 2: (1) operating system files 22; (2) a
   Distributed **Storage   Manager   program** 24 which embodies the system
   and method of the present invention (the operation of which...

...a File Database 25 (the structure of which is described in detail
   hereinbelow); (4) a **Backup** Queue **Database** 26 (the structure of which
   is described in detail hereinbelow); (5) local computer data files 28;
   (6) free disk space 30 and (7) compressed **storage** files 32 (created by
   the Distributed **Storage   Manager   program** 24 of the present invention
   as is explained more fully hereinbelow).
     The Distributed Storage Manager...
10/3,K/23   (Item 23 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00631356
Database system backup apparatus and method
Backupsystem und -verfahren fur eine Datenbank
Appareil et methode de backup pour une base de donnees
PATENT ASSIGNEE:
   MITSUBISHI DENKI KABUSHIKI KAISHA, (208580), 2-3, Marunouchi 2-chome
     Chiyoda-ku, Tokyo 100, (JP), (Proprietor designated states: all)
INVENTOR:
   Fushimi, Shinya, c/o Mitsubishi Denki K. K., Joho Denshi Kenkyusho, 1-1,
     Ofuna 5-chome, Kamakura-shi, Kanahawa 247, (JP)
LEGAL REPRESENTATIVE:
   Pfenning, Meinig & Partner (100961), Mozartstrasse 17, 80336 Munchen,
     (DE)
PATENT (CC, No, Kind, Date):   EP 614150   A2   940907 (Basic)
                               EP 614150   A3   950405
                               EP 614150   B1   010606
APPLICATION (CC, No, Date):   EP 94103254 940303;
PRIORITY (CC, No, Date): JP 9343850 930304
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/30; **G06F-011/14**
ABSTRACT WORD COUNT: 153
NOTE:
   Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS A   (English)   EPABF2   4189
     CLAIMS B   (English)   200123   1712
     CLAIMS B   (German)   200123   1481
     CLAIMS B   (French)   200123   2293
     SPEC A   (English)   EPABF2   16499
     SPEC B   (English)   200123   15242

                         Bode Akintola   09-Jun-03

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Total word count - document A        20691
Total word count - document B        20728
Total word count - documents A + B   41419
```

...INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION by executing an executable procedure, the executable
procedure being cataloged by the definition in the **database** system
based on a **database** language; wherein the **control** means may include:
   (a) means for identifying the **program** which has the source code of
the executable procedure as the backup object, instead of...and extracts
the program to be saved with the program access means and stores the
program to the **storage** medium.
   The **control** means can create an area reserve command for reserving a
data recording area written in...

...CLAIMS cataloged by the definition in the database system based on a
      database language.
 34. The **database** system backup apparatus of claim 33 wherein the
      control means includes:
      (a) means for identifying the **program** which has the source code of
      the executable procedure as the backup object, instead of...

...CLAIMS executable procedure being cataloged by the definition in the
      database system (9) based on a **database** language.
 10. The **database** system **backup** apparatus of claim 9 wherein the
      control means (2) includes:
    (a) means for identifying the **program** which has the source code of the
      executable procedure as the backup object, instead of...

 10/3,K/24   (Item 24 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00593233
Redundant networked database system.
Vernetztes Redundanzdatensystem.
Systeme de base de donnees redondant en reseau.
PATENT ASSIGNEE:
  Siemens Industrial Automation, Inc., (1592660), 3000 Bill Garland Road,
    Johnson City, TN 37601, (US), (applicant designated states:
    AT;CH;DE;FR;GB;IT;LI;NL;SE)
INVENTOR:
  Marks, David Jackson, 515 C Pilgrim Court, Johnson City, TN 37601, (US)
LEGAL REPRESENTATIVE:
  Epping, Wilhelm, Dr.-Ing. et al (59452), Patentanwalt Postfach 22 13 17,
    80503 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 593062 A2 940420 (Basic)
                              EP 593062 A3 950830
APPLICATION (CC, No, Date):   EP 93116655 931014;
PRIORITY (CC, No, Date): US 961752 921016
DESIGNATED STATES: AT; CH; DE; FR; GB; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: G06F-011/00; **G06F-011/14**
ABSTRACT WORD COUNT: 83
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   EPABF2   463
      SPEC A   (English)   EPABF2   1983

                      Bode Akintola   09-Jun-03

```
Total word count - document A        2446
Total word count - document B           0
Total word count - documents A + B   2446
```

...INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION Primary Database having a Communications Agent (as
described more fully below) integrated therewith and a **Backup   Database**
also having a Communications **Agent** integrated therewith.
   An **application** source acting on the **database** is also shown as being
operatively connected to the Primary Database, although such sources may
be operatively connected to any of the **Backup   Databases** . Such
applications may be, for example, in the form of an updated process or
process...

10/3,K/25   (Item 25 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent.Office. All rts. reserv.

00565768
Method and system for concurrent access during backup copying of data.
Verfahren und System zum gleichzeitigen Zugriff wahrend der Datensicherung.
Procede et systeme d'acces simultane lors de la sauvegarde de donnees.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Cohn, Oded, Gut Levin 20/4, Haifa 32922, (IL)
  Hartung, Michael Howard, 8040 East Alteza Vista, Tucson, Arizona
    85715-2848, (US)
  McCauley, John Norbert, Jr., 8860 East Saddleback Drive, Tucson, Arizona
    85749, (US)
  Micka, William Frank, 3921 East la Esplada, Tucson, Arizona 85718, (US)
  Mikkelsen, Claus William, 16795 Oak View Circle, Morgan Hill, California
    95037, (US)
  Nagin, Kenneth Michael, 250 North Arcadia N.507, Tucson, Arizona 85711,
    (US)
  Novick, Yoram, 25 Borla Street, Ramot Remez, Haifa 32812, (IL)
  Winokur, Alexander, 23 Dryfuss Street, Haifa, 35434, (IL)
LEGAL REPRESENTATIVE:
  Lettieri, Fabrizio (59683), IBM Semea S.p.A. Direzione Brevetti - MI VIM
    900 Casella Postale 37 Via Lecco, 61, I-20059 Vimercate (MI), (IT)
PATENT (CC, No, Kind, Date):   EP 566968   A2   931027 (Basic)
                               EP 566968   A3   950301
APPLICATION (CC, No, Date):   EP 93105993 930413;
PRIORITY (CC, No, Date): US 871247 920420
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 154

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1157
SPEC A	(English)	EPABF1	4447
Total word count - document A			5604
Total word count - document B			0
Total word count - documents A + B			5604

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION a data processing system and store those copies in a
nonvolatile environment. This so-called " **backup** " process occurs within
state-of-the-art external **storage** systems in modern data processing
systems.
  Backup policies are implemented as a matter of scheduling. Backup
policies have a space and time...

...repeat history" by replaying the log from the last check point over the
datasets or **database** of interest. The distinction between batch mode
and log based **backup** is that the backup copy is consistent and speaks
as of the time of its...

...basis. As described within this patent, a unit of work is first recorded
on the **backup** medium (log) and then written to its external **storage**
address.
  Co-pending United States Patent Application Serial No. 07/524,206, filed
May 16...need exists for a method and system which permits concurrent
access to data within external **storage** during **backup** copying wherein
delays occasioned by awaiting access to a selected **storage** device may
be minimized despite system constraints which limit access to a single
storage device...

...utilizing an alternate Unique Control Block (UCB), permitting concurrent
access of data utilizing the Unique **Control** Block (UCB) associated with
the first **storage** **device** .
  The present **application** is related to **PCT** Patent Application Serial
No. **PCT** /EP92/02127, entitled "Method and Means for Time Zero **Backup**
Copying of Data", filed September 16, 1992. The contents of the
cross-reference PCT Patent...control unit monitors all updates to the
dataset. If an update is received from another **application** 67, **storage**
  control unit 65 will execute a predetermined algorithm to process that
update, as described below. In...update is permitted to complete.
  Thus, as illustrated in Figure 3, an update initiated by **application**
67 may be processed through **storage** **control** unit 65 to update data at
tracks 3 and 5 within tracked cyclic storage device...
10/3,K/26 **(Item 26 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00565767
Method and system for time zero backup session security.
Verfahren und System zur "Time-Zero"-Sicherungssitzungssicherheit.
Procede et systeme de session de sauvegarde de securite de type "temps
    zero".
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Cohn, Oded, Gut Levin 20/4, Haifa, 32922, (IL)
  Micka, William Frank, 3921 E. La Espalda, Tucson, Arizona 85718, (US)
  Nagin, Kenneth Michael, Mendela 6A, Haifa, Israel32447, (IL)
  Novick, Yoram, 14 Got Levin Street, Ramot Sapir, Haifa 32922, (IL)
  Winokur, Alexander, 23 Dryfuss Street, Haifa 35434, (IL)
LEGAL REPRESENTATIVE:
  Lettieri, Fabrizio (59683), IBM Semea S.p.A. Direzione Brevetti - MI VIM
    900 Casella Postale 37 Via Lecco, 61, I-20059 Vimercate (MI), (IT)
PATENT (CC, No, Kind, Date): EP 566967 A2 931027 (Basic)
                             EP 566967 A3 950301

Bode Akintola   09-Jun-03

APPLICATION (CC, No, Date):   EP 93105992 930413;
PRIORITY (CC, No, Date): US 871358 920420
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 119

LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A   (English)   EPABF1   1268
     SPEC A   (English)   EPABF1   5544
Total word count - document A   6812
Total word count - document B   0
Total word count - documents A + B   6812

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION repeat history" by replaying the log from the last check
  point over the datasets or **database** of interest. The distinction
  between batch mode and log based **backup** is that the backup copy is
  consistent and speaks as of the time of its...

...basis. As described within this patent, a unit of work is first recorded
  on the **backup** medium (log) and then written to its external **storage**
  address.
    Co-pending United States Patent Application Serial No. 07/524,206, filed
  May 16...the robustness of a data base, but do not directly address
  complications faced by a **data base server** in producing a faithful
  back up copy in the face of the possibility of requests from more than
  source.
    It should...control unit monitors all updates to the dataset. If an
  update is received from another **application** 67, **storage control**
  unit 65 will execute a predetermined algorithm to process that update, as
  described below. Access...
10/3,K/27   (Item 27 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00565766
Method and system for incremental backup copying of data
Verfahren und System zur inkrementalen Datensicherung
Procede et systeme de sauvegarde incrementale de donnees
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Eastridge, Lawrence Elwood, 5700 North Paseo Otono, Tucson, Arizona 85715
    , (US)
  Kern, Robert Frederic, 8338 East Calexico Street, Tucson, Arizona 85730,
    (US)
  Ratliff, James Mitchell, HC2-3867, Benson, Arizona 85602, (US)
LEGAL REPRESENTATIVE:
  Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
    Intellectual Property Department Hursley Park, Winchester Hampshire
    SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 566966 A2 931027 (Basic)
                              EP 566966 A3 950308
                              EP 566966 B1 970709
APPLICATION (CC, No, Date):   EP 93105991 930413;
PRIORITY (CC, No, Date): US 871466 920420

                      Bode Akintola   09-Jun-03

DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 158

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1134
CLAIMS B	(English)	EPAB97	707
CLAIMS B	(German)	EPAB97	688
CLAIMS B	(French)	EPAB97	888
SPEC A	(English)	EPABF1	4923
SPEC B	(English)	EPAB97	4972
Total word count - document A			6057
Total word count - document B			7255
Total word count - documents A + B			13312

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION update is permitted to complete.
   Thus, as illustrated in Figure 3, an update initiated by **application**
67 may be processed through **storage   control** unit 65 to update data at
tracks 3 and 5 within tracked cyclic storage unit...

...the copies of tracks 3 and 5, as those tracks existed at the time a
backup copy was requested, are no longer within tracked cyclic **storage**
device 61 but now reside within a memory within storage control unit
65.
   A merged copy...

...SPECIFICATION update is permitted to complete.
   Thus, as illustrated in Figure 3, an update initiated by **application**
67 may be processed through **storage   control** unit 65 to update data at
tracks 3 and 5 within tracked cyclic storage unit...

...the copies of tracks 3 and 5, as those tracks existed at the time a
backup copy was requested, are no longer within tracked cyclic **storage**
device 61 but now reside within a memory within storage control unit
65.
   A merged copy...

 10/3,K/28   (Item 28 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00565765
Method and system in a data processing system for administering multiple
    backup copy sessions.
Verfahren und System in einem Datenverarbeitungssystem zur Verwaltung von
    Mehrfachsicherungssitzungen.
Procede et systeme dans un systeme de traitement de donnees
    d'administration de sessions multiples de sauvegarde.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Eastridge, Lawrence Elwood, 5700 North Paseo Otono, Tucson, Arizona 85715
    , (US)
  Kern, Robert Frederic, 8338 East Calexico Street, Tucson, Arizona 85730,

(US)
  Micka, William Frank, 3921 East La Espalda, Tucson, Arizona 85718, (US)
  Mikkelsen, Claus William, 16795 Oak View Circle, Morgan Hill, California
    95037, (US)
  Ratliff, James Mitchell, 4165 East Dover Stravenue, Tucson, Arizona 85706
    , (US)
LEGAL REPRESENTATIVE:
  Lettieri, Fabrizio (59683), IBM SEMEA S.p.A., Direzione Brevetti, MI SEG
    534, P.O. Box 137, I-20090 Segrate (Milano), (IT)
PATENT (CC, No, Kind, Date): EP 566965 A2 931027 (Basic)
                              EP 566965 A3 950308
APPLICATION (CC, No, Date):   EP 93105990 930413;
PRIORITY (CC, No, Date): US 871363 920420
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 144

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English)   EPABF1   1324
     SPEC A   (English)   EPABF1   4028
Total word count - document A   5352
Total word count - document B   0
Total word count - documents A + B   5352

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION then terminated. The indications within the activity
  tables are also reviewed and checked against a **storage** subsystem to
  determine the status of a **backup** copy session if a reset notification
  is raised by a **storage** subsystem. The tracks extents which are active
  for a volume associated with a particular session...

...physical session identification, the backup copy session resumes. If a
  match does not exist, the **backup** copy session is terminated.
    Following initialization, each **storage** subsystem monitors all updates
  to the dataset. If an update is received from another application...

 10/3,K/29   (Item 29 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00565764
**Method and system for sidefile status polling in a time zero backup copy
    process**
**Verfahren und System zum Seitendatei Statusabrufen in einem Nullzeittyp
    Sicherungskopieprozess**
**Procede et systeme d'interrogation de l'etat de fichier lateral au cours
    d'un processus de sauvegarde de copie a temps zero**
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Cohn, Oded, Gut Levin 20/4, Haifa 32.922, (IL)
  Hartung, Michael Howard, 8040 East Alteza Vista, Tucson, Arizona
    85715-2848, (US)
  Micka, William Frank, 3921 East La Esplada, Tucson, Arizona 85718, (US)
  McCauley, John Norbert, Jr., 8860 East Saddleback Drive, Tucson, Aizona

85749, (US)
Mikkelsen, Claus William, 16795 Oak View Circle, Morgan Hill, California
95037, (US)
Nagin, Kenneth Michael, 250 North Arcadia - N.507, Tucson, Arizona 85711,
(US)
Novick, Yoram, 14 Got Levin Street, Ramot Sapir, Haifa 32922, (IL)
Winokur, Alexander, 23 Dryfuss Street, Haifa 35434, (IL)
LEGAL REPRESENTATIVE:
Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
Intellectual Property Department Hursley Park, Winchester Hampshire
SO21 2JN, (GB)

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	637
CLAIMS B	(English)	9708W1	520
CLAIMS B	(German)	9708W1	516
CLAIMS B	(French)	9708W1	711
SPEC A	(English)	EPABF1	4660
SPEC B	(English)	9708W1	4722
Total word count - document A			5297
Total word count - document B			6469
Total word count - documents A + B			11766

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...ABSTRACT A2
A method and system disclosed for enhanced efficiency of **backup** copying of designated datasets stored within **storage devices** (61) coupled to the data processing system via a **storage control** unit (65) having memory (66) therein. **Application** execution is temporarily suspended to form a dataset logical-to-physical address concordance to be ...

...data within memory (66) is determined. The sidefiles are then accessed and copied to alternate **storage** locations in a **backup** copy order defined by the address concordance. (see image in original document)

...SPECIFICATION for enhanced efficiency of backup copying of designated datasets stored within a plurality of storage **devices** coupled to the data processing system via a **storage** subsystem **control** unit having subsystem memory therein. **Application** execution within the data processing system is temporarily suspended long enough to form a dataset ...

...the storage subsystem. Portions of the designated datasets are then accessed and copied from the **storage** subsystem on a scheduled or opportunistic basis utilizing selected data **retrieval** command sequences. A sidefile status query is appended to selected data retrieval command sequences and...

...and copied. Copied portions of the designated datasets and sidefiles are
then copied to alternate **storage** locations in a **backup** copy order
defined by the address concordance.
The present application is related to the European...control unit
monitors all updates to the dataset. If an update is received from
another **application** 67, **storage control** unit 65 will execute a
predetermined algorithm to process that update, as described below.
In...update is permitted to complete.
Thus, as illustrated in Figure 3, an update initiated by **application**
67 may be processed through **storage control** unit 65 to update data at
tracks 3 and 5 within tracked cyclic storage device...
...the copies of tracks 3 and 5, as those tracks existed at the time a
backup copy was requested, are no longer within tracked cyclic **storage**
device 61 but now reside within memory 66 within storage control unit
65.
A merged copy...

...SPECIFICATION for enhanced efficiency of backup copying of designated
datasets stored within a plurality of storage **devices** coupled to the
data processing system via a **storage** subsystem **control** unit having
subsystem memory therein. **Application** execution within the data
processing system is temporarily suspended long enough to form a dataset
...

...the storage subsystem. Portions of the designated datasets are then
accessed and copied from the **storage** subsystem on a scheduled or
opportunistic basis utilizing selected data **retrieval** command
sequences. A sidefile status query is appended to selected data retrieval
command sequences and...

...and copied. Copied portions of the designated datasets and sidefiles are
then copied to alternate **storage** locations in a **backup** copy order
defined by the address concordance.
The present application is related to the European...control unit
monitors all updates to the dataset. If an update is received from
another **application** 67, **storage control** unit 65 will execute a
predetermined algorithm to process that update, as described below.
In...update is permitted to complete.
Thus, as illustrated in Figure 3, an update initiated by **application**
67 may be processed through **storage control** unit 65 to update data at
tracks 3 and 5 within tracked cyclic storage device...

...the copies of tracks 3 and 5, as those tracks existed at the time a
backup copy was requested, are no longer within tracked cyclic **storage**
device 61 but now reside within memory 66 within storage control unit
65.
A merged copy...

...CLAIMS plurality of storage devices (61) which are coupled to said data
processing system via a **storage control** unit (65) having
subsystem memory (66) therein, during **application** execution within
said data processing system, said method comprising the steps of:
a) suspending application...

10/3,K/30   (Item 30 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00513275

Bode Akintola   09-Jun-03

Computer having function of resume process.
Rechner mit einer Wiederherstellungsprozessfunktion.
Ordinateur a fonction de processus de reprise.
PATENT ASSIGNEE:
   Kabushiki Kaisha Toshiba, (213137), 72, Horikawa-cho Saiwai-ku,
      Kawasaki-shi, (JP), (applicant designated states: DE;FR;GB;IT)
   TOSHIBA COMPUTER ENGINEERING CORPORATION, (746921), 1381-1, Shinmachi,
      Oome-shi, Tokyo, (JP), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
   Yamaki, Kazunori, c/o Intellectual Prop. Div., Kabushiki Kaisha Toshiba,
      1-1 Shibaura 1-Chome, Minato-ku, Tokyo 105, (JP)
   Sebori, Ryoichi, c/o Intellectual Prop. Div., Kabushiki Kaisha Toshiba,
      1-1 Shibaura 1-Chome, Minato-ku, Tokyo 105, (JP)
LEGAL REPRESENTATIVE:
   Henkel, Feiler, Hanzel & Partner (100401), Mohlstrasse 37, W-8000 Munchen
      80, (DE)
PATENT (CC, No, Kind, Date):   EP 498374   A2   920812 (Basic)
                               EP 498374   A3   930303
APPLICATION (CC, No, Date):   EP 92101833 920204;
PRIORITY (CC, No, Date): JP 9117766 910208; JP 91250686 910930
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 61

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   EPABF1   787
      SPEC A   (English)   EPABF1   3198
Total word count - document A   3985
Total word count - document B   0
Total word count - documents A + B   3985

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION the previous use. In addition, data stored in the backup
   RAM 47 is restored to **CPU** registers, and **control** is returned to a
   program counter and then the system.
      According to the above description, a resume process can be...

 10/3,K/31   (Item 31 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00461322
Asynchronous resynchronization of a commit procedure
Asynchrone Wiedersynchronisierung eines Freigabeverfahrens
Resynchronisation asynchrone d'une procedure de validation
PATENT ASSIGNEE:
   International Business Machines Corporation, (200120), Old Orchard Road,
      Armonk, N.Y. 10504, (US), (Proprietor designated states: all)
INVENTOR:
   Britton, Kathryn Heninger, 613 Caswell Road, Chapel Hill, NC 27514, (US)
   Citron, Andrew Paul, 10216 Whitestone Road, Raleigh, NC 27709, (US)
   Gray, James Peyton, 904 Emory Drive, Chapel Hill, NC 27514, (US)
   Maslak, Barbara Ann Marie, 2008 Bernard Blvd., Endwell, NY 13760, (US)
   Thatcher, Timothy Jay, 1811 Gary Drive, Vestal, NY 13850, (US)
LEGAL REPRESENTATIVE:
   Teufel, Fritz, Dipl.-Phys. et al (11855), IBM Deutschland

Informationssysteme GmbH, Patentwesen und Urheberrecht, 70548 Stuttgart
, (DE)
PATENT (CC, No, Kind, Date):   EP 457112   A2   911121 (Basic)
                                EP 457112   A3   930127
                                EP 457112   B1   000322
APPLICATION (CC, No, Date):   EP 91107112 910502;
PRIORITY (CC, No, Date): US 525429 900516
DESIGNATED STATES: CH; DE; FR; GB; IT; LI; SE
INTERNATIONAL PATENT CLASS: **G06F-011/14** ; G06F-009/46
ABSTRACT WORD COUNT: 150
NOTE:
  Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
     CLAIMS B   (English)   200012   801
     CLAIMS B   (German)   200012   800
     CLAIMS B   (French)   200012   881
     SPEC B   (English)   200012   37911
Total word count - document A   0
Total word count - document B   40393
Total word count - documents A + B   40393

INTERNATIONAL PATENT CLASS: **G06F-011/14 ...**

...SPECIFICATION for the syncpoint recovery is contained in the execution
  environment, resource manager, or associated nonvolatile **storage** .
  Therefore, any execution environment with the resource **manager** that
  contains the recovery facility **program** can act as the recovery facility
  70A as long as the active recovery facility has...

 10/3,K/32   (Item 32 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00461320
Recovery facility for incomplete sync points for distributed application.
Rucksetzungseinrichtung fur unvollstandige Gleichzeitigkeitspunkte fur eine
    verteilte Anwendung.
Dispositif de reprise pour des points de synchronisation incomplets pour
    une application distribuee.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Ainsworth, Michael Kevin, R.D. Nr. 6 Box 443, Day Hollow Road, Endicott,
    NY 13760, (US)
  Bennett, Robert Bradley, 3718 Country Club Road, Endwell, NY 13760, (US)
  Maslak, Barbara Ann Marie, 2008 Bernard Blvd., Endwell, NY 13760, (US)
  Showalter, James Michael, 504 West Main Street, Apt. Nr. 31, Endicott, NY
    13760, (US)
  Szczygielski, Thomas Joseph, 113 Pine Knoll Road, Endicott, NY 13760,
    (US)
  Tanner, Amos Stanley, R.D. Nr. 3 Box 416, Costley Road, Vestal, NY 13850,
    (US)
LEGAL REPRESENTATIVE:
  Schafer, Wolfgang, Dipl.-Ing. (62021), IBM Deutschland
    Informationssysteme GmbH Patentwesen und Urheberrecht, D-70548

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        Stuttgart, (DE)
PATENT (CC, No, Kind, Date):   EP 457111  A2  911121 (Basic)
                               EP 457111  A3  930127
APPLICATION (CC, No, Date):    EP 91107110 910502;
PRIORITY (CC, No, Date): US 525938 900516
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS:  G06F-011/14 ; G06F-009/46
ABSTRACT WORD COUNT: 169


LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text  Language    Update    Word Count
     CLAIMS A  (English)  EPABF1     2327
     SPEC A    (English)  EPABF1    38801
Total word count - document A         41128
Total word count - document B             0
Total word count - documents A + B    41128

INTERNATIONAL PATENT CLASS:  G06F-011/14 ...

...SPECIFICATION for the syncpoint recovery is contained in the execution
  environment, resource manager, or associated nonvolatile  storage .
  Therefore, any execution environment with the resource  manager  that
  contains the recovery facility  program  can act as the recovery facility
  70A as long as the active recovery facility has...


 10/3,K/33      (Item 33 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00431884
Backup and recovery apparatus for digital computer
Gerat zur Sicherung und Wiederherstellung fur Digitalrechner
Dispositif de sauvegarde et de restauration pour calculateur numerique
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Myers, James Joseph, 950 Columbus Avenue No. 6, San Francisco, CA 94133,
    (US)
  Wang, Pon Sheng, 741 Mairwood Court, San Jose, CA 95120, (US)
LEGAL REPRESENTATIVE:
  Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
    Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date):   EP 410630  A2  910130 (Basic)
                               EP 410630  A3  920325
                               EP 410630  B1  960228
APPLICATION (CC, No, Date):    EP 90307839 900718;
PRIORITY (CC, No, Date): US 385647 890725
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS:  G06F-011/14
ABSTRACT WORD COUNT: 85


LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text  Language    Update    Word Count
     CLAIMS A  (English)  EPABF1      624
     CLAIMS B  (English)  EPAB96      457
     CLAIMS B   (German)  EPAB96      487


                    Bode Akintola   09-Jun-03
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              CLAIMS B    (French)   EPAB96      557
              SPEC A      (English)  EPABF1     3355
              SPEC B      (English)  EPAB96     3417
Total word count - document A              3979
Total word count - document B              4918
Total word count - documents A + B         8897
```

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...ABSTRACT A2
    Apparatus and method for scheduling the **storage   backup** of data sets
    in either an **application** or system- **managed   storage** context using an
    algorithm in which less data and a smaller backup interval (window) are
    ...

...SPECIFICATION MBF(j). The Minimum Backup Frequency for a data object is
    a parameter that the **Storage** Administrator or **programmer** can use to
    control the **backup** policy for a data object so that the data object
    may be backed up less...

...SPECIFICATION MBF(j). The Minimum Backup Frequency for a data object is
    a parameter that the **Storage** Administrator or **programmer** can use to
    control the **backup** policy for a data object so that the data object
    may be backed up less...

10/3,K/34   (Item 34 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00393800
Method of producing a duplication of a database
Verfahren zur Herstellung einer Duplikation von einer Datenbank
Methode pour effectuer une duplication d'une base de donnees
PATENT ASSIGNEE:
  HITACHI, LTD., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    100, (JP), (applicant designated states: DE;GB)
INVENTOR:
  Tanaka, Kazuaki, Hitachi Kamitsuruma Shataku A-306, 17-12 Yutakacho,
    Sagamihara-shi, (JP)
  Yamashita, Kuniaki, 2-17-13 Nakazato, Ninomiyamachi, Naka-gun,
    Kanagawa-ken, (JP)
  Ogata, Hiromichi, 2165-6, Fujisawa, Fujisawa-shi, (JP)
LEGAL REPRESENTATIVE:
  Strehl Schubel-Hopf Groening & Partner (100941), Maximilianstrasse 54,
    80538 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 399560   A2   901128 (Basic)
                               EP 399560   A3   911127
                               EP 399560   B1   970305
APPLICATION (CC, No, Date):   EP 90110000 900525;
PRIORITY (CC, No, Date): JP 89131345 890526
DESIGNATED STATES: DE; GB
INTERNATIONAL PATENT CLASS: **G06F-011/14** ; G06F-017/30
ABSTRACT WORD COUNT: 197

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   EPABF1   1871
      CLAIMS B (English)   EPAB97   1870

                    Bode Akintola   09-Jun-03

```
        CLAIMS B    (German)   EPAB97     1488
        CLAIMS B    (French)   EPAB97     2433
        SPEC A      (English)  EPABF1    16076
        SPEC B      (English)  EPAB97    16010
Total word count - document A          17949
Total word count - document B          21801
Total word count - documents A + B     39750
```

INTERNATIONAL PATENT CLASS: **G06F-011/14 ...**

...SPECIFICATION defined in the virtual storage, instead of dealing with
  the update log data of the **database** and controlling the process of the
  expanded divisional overwrite **control program** in the embodiment 6 so
  that the data is written over the whole copy at once, it is possible, for
  the purpose of the **retrieval** of the **database** contents at one time
  point or prior merging of the differential copy data with the...

...SPECIFICATION defined in the virtual storage, instead of dealing with
  the update log data of the **database** and controlling the process of the
  expanded divisional overwrite **control program** in the embodiment 6 so
  that the data is written over the whole copy at once, it is possible, for
  the purpose of the **retrieval** of the **database** contents at one time
  point or prior merging of the differential copy data with the...

 10/3,K/35   (Item 35 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00352143
Method and apparatus for fault recovery in a digital computing system.
Verfahren und Vorrichtung zum Wiederanlauf nach einem Fehler in einem
    digitalen Rechnersystem.
Procede et dispositif de recouvrement apres erreur dans un systeme de
    calcul numerique.
PATENT ASSIGNEE:
  HONEYWELL INC., (246050), Honeywell Plaza, Minneapolis Minnesota 55408,
    (US), (applicant designated states: DE;ES;FR;GB;IT;NL)
INVENTOR:
  Hess, Richard F., 3636 West Wagoner Road, Glendale, AZ 85308, (US)
  Liebel, Kurt A., 24 Alyngton, Northchurch, Berkhamsted, Herts, HP4 3XP,
    (GB)
  Yount, Larry J., 6102 E. Joan de Arc, Scottsdale, Arizona 85254, (US)
LEGAL REPRESENTATIVE:
  Herzbach, Dieter, Dipl.-Ing. et al (5401), Honeywell Holding AG Patent-
    und Lizenzabteilung Postfach 10 08 65, D-63008 Offenbach, (DE)
PATENT (CC, No, Kind, Date): EP 363863 A2 900418 (Basic)
                              EP 363863 A3 910703
                              EP 363863 B1 950906
APPLICATION (CC, No, Date):   EP 89118684 891007;
PRIORITY (CC, No, Date): US 256060 881011
DESIGNATED STATES: DE; ES; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 244

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) EPABF1   1126
      CLAIMS B (English) EPAB95   957

                    Bode Akintola   09-Jun-03

```
        CLAIMS B    (German)   EPAB95      861
        CLAIMS B    (French)   EPAB95     1155
        SPEC A      (English)  EPABF1     4195
        SPEC B      (English)  EPAB95     4175
Total word count - document A             5321
Total word count - document B             7148
Total word count - documents A + B       12469
```

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION as one of a number of processing elements in a redundant
   system. Central processing unit (**CPU**) 10 executes a stored program
   contained in **program** read-only memory (ROM) 12 to perform the real-time
   control algorithm. Inputs from sensors in the control system (not
   shown) are sampled on input lines...

...SPECIFICATION as one of a number of processing elements in a redundant
   system. Central processing unit (**CPU**) 10 executes a stored program
   contained in **program** read-only memory (ROM) 12 to perform the real-time
   control algorithm. Inputs from sensors in the control system (not
   shown) are sampled on input lines...

 10/3,K/36   (Item 36 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00295522
**Method and apparatus for maintaining duplex-paired devices by means of a
    dual copy function.**
**Verfahren und Vorrichtung zur Instandhaltung von Duplexpaarverteilten
    · Geraten mittels einer Doppelkopiefunktion.**
**Methode et dispositif pour le maintien de dispositifs apparies en duplex a
    l'aide d'une fonction de copie duale.**
PATENT ASSIGNEE:
   International Business Machines Corporation, (200120), Old Orchard Road,
      Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
   Berger, Blaine H., 2941 Bowline Place, Longmont Colorado 80501, (US)
   Smith, Bret P., 742 Cameron Lane, Longmont Colorado 80501, (US)
   Beardsley, Brent C., 9533 East Stella Drive, Tucson Arizona 85730, (US)
   Boulia, Lawrence Herbert, 12149 McDonald Chapel Drive, Gaithersburg Md.
      20878, (US)
   Vosacek, Robert Haver, 11205 Chuckwagon Circle, Tucson Arizona 85749,
      (US)
LEGAL REPRESENTATIVE:
   Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual
      Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 303856 A2 890222 (Basic)
                              EP 303856 A3 900912
                              EP 303856 B1 950405
APPLICATION (CC, No, Date):   EP 88112033 880726;
PRIORITY (CC, No, Date): US 87331 870820; US 89151 870825
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06F-011/20; **G06F-011/14** ; G06F-013/12
ABSTRACT WORD COUNT: 139

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count

                         Bode Akintola   09-Jun-03

```
           CLAIMS A    (English)   EPABF1      703
           CLAIMS B    (English)   EPAB95      846
           CLAIMS B    (German)    EPAB95      758
           CLAIMS B    (French)    EPAB95      970
           SPEC A      (English)   EPABF1     6761
           SPEC B      (English)   EPAB95     6842
Total word count - document A              7464
Total word count - document B              9416
Total word count - documents A + B        16880
...INTERNATIONAL PATENT CLASS:  G06F-011/14
```

...SPECIFICATION the like are well known in the art. Particularly, with the
   advent of complex digital **computer** systems used for **applications** such
   as process **control** or supervisory **control** . An example of such a
   system is illustrated in U.S. Patent 4,032,757...

...SPECIFICATION a growth in the requirement for storage capacity and
   increased reliability and flexibility in data **storage   devices** .
   The concepts of self-test, **redundancy** , cross-check verification
   between various sources of information and the like are well known in the
   art. Particularly, with the advent of complex digital **computer** systems
   used for **applications** such as process **control** or supervisory **control**
   . An example of such a system is illustrated in U.S. Patent 4,032,757...

10/3,K/37   (Item 37 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00266141
File backup facility for a community of personal computers.
Dateisicherungseinrichtung fur eine Gemeinschaft von Personalcomputern.
Amenagement de sauvegarde de fichier pour une communaute d'ordinateurs
   personnels.
PATENT ASSIGNEE:
   Hewlett-Packard Limited, (402421), Nine Mile Ride, Wokingham, Berkshire
      RG11 3LL, (GB), (applicant designated states: DE;FR;GB)
INVENTOR:
   Bartlett, Paul, 28 Monk Road, Bishopton Bristol BS7 8LE, (GB)
   Lieske, Steven, 24 Cedar Hall, Frenchay Bristol, (GB)
   Simms, Mark, 30 Codrington Road, Bishopston Bristol BS7 8ET, (GB)
   Hains, Tracey, 9 Seyton Walk, Stoke Gifford Bristol BS12 6UW, (GB)
   Walker, Patrick, 4 Manor Close, Tockington Bristol BS12 4NT, (GB)
   Winsborrow, Lesley, 3 Adringal Cottages Horton, Chipping Sodbury Bristol
      BS17 6QP, (GB)
LEGAL REPRESENTATIVE:
   Squibbs, Robert Francis (36273), Hewlett-Packard Limited Cain Road,
      Bracknell, Berkshire RG12 1HN, (GB)
PATENT (CC, No, Kind, Date): EP 259912 A1 880316 (Basic)
                              EP 259912 B1 911016
APPLICATION (CC, No, Date):   EP 87201556 870818;
PRIORITY (CC, No, Date): GB 8622010 860912
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-011/14
ABSTRACT WORD COUNT: 122

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS B (English)   EPBBF1   941

                    Bode Akintola   09-Jun-03

```
       CLAIMS B    (German)  EPBBF1      933
       CLAIMS B    (French)  EPBBF1     1085
       SPEC B      (English) EPBBF1    12929
Total word count - document A             0
Total word count - document B         15888
Total word count - documents A + B    15888
```

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION copies of the files. To this end, and in accordance with
   the present invention, each **PC** is arranged under the **control** of a
   Requestor **program** , to **backup** **files** to and restore files from, the
   tape **device** 14 of the mini computer 12, the latter being controlled for
   this purpose by a...first buffered to the disc device 13 before being
   recorded en bloc to the tape **device** 14.
     The mini **computer** 12, under the **control** of the **server** **program** ,
   is arranged to handle simultaneously the backup requirements of a number
   of PCs, this being...

...the tape device. Tape position information on each block is passed back
   to the relevant **PC** for **storage** in its **backup** directory together
   with data on the breakdown **of** each file into blocks.
     During restore, block information on the files selected for restore is
   ...

 10/3,K/38   (Item 38 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00237155
Maintaining availability of a restartable data base system.
Instandhaltung   der   Verfugbarkeit   eines   wiederanlauffahigen
     Datenbasissystems.
Maintien de la disponibilite d'un systeme de base de donnees redemarrable.
PATENT ASSIGNEE:
   International Business Machines Corporation, (200120), Old Orchard Road,
     Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
   Beier, Harley Al, 2321 Arabian Court, Morgan Hill California 95037, (US)
   Fukumoto, Takeshi, 4439-134 Kamariya-CHO Kanazawa-ku, Yokohama-Shi
     Kanagawa-ken, 236, (JP)
   Scofield, Harrison, 17630 John Telfer Drive, Morgan Hill California 95037
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LEGAL REPRESENTATIVE:
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     Intellectual Property Department Hursley Park, Winchester Hampshire
     SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 232769 A2 870819 (Basic)
                              EP 232769 A3 890308
                              EP 232769 B1 920617
APPLICATION (CC, No, Date):   EP 87100929 870123;
PRIORITY (CC, No, Date): US 828113 860210
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: **G06F-011/14**
ABSTRACT WORD COUNT: 119

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

```
Available Text   Language    Update     Word Count
     CLAIMS B    (English)   EPBBF1        331
     CLAIMS B    (German)    EPBBF1        349
     CLAIMS B    (French)    EPBBF1        390
     SPEC B      (English)   EPBBF1       2018
Total word count - document A                0
Total word count - document B             3088
Total word count - documents A + B        3088
```

INTERNATIONAL PATENT CLASS: **G06F-011/14**

...SPECIFICATION of the backup processor can start immediately upon
switchover at td.
   FIG. 3 shows the **system** described in the above- identified copending
application as modified in accordance with the **present   invention** .
The disclosure of said copending **application** is incorporated herein by
reference.
   The tracking of buffer elements updatable by the active processor...

...a control block associated with the buffer) of a corresponding "indoubt"
Fast Path Control Interval **where   forward** recovery is needed.
   In **IMS** /VS systems heretofore proposed, **each   data   base** is
associated with a Data Management block directory, hereinafter **called** a
DDIR, which is used in prior art IMS/VS to store information pertinent to
...

 10/3,K/39   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00997862   **Image available**
BACKUP-RESTORATION SYSTEM AND RIGHT MANAGEMENT SERVER
SYSTEME DE SECOURS-RESTAURATION ET SERVEUR DE GESTION DES DROITS
Patent Applicant/Assignee:
  MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi,
    Osaka 571-8501, JP, JP (Residence), JP (Nationality)
Inventor(s):
  OOHO Masahiro, Room 531, Syoufuryo, 3-14, Miyuki Higashi-machi,
    Neyagawa-shi, Osaka 572-0055, JP,
  YAMAMOTO Masaya, 7-41, Higashimakino-cho, Hirakata-shi, Osaka 573-1151,
    JP,
  MIURA Kouji, 4-1, Ueda 3-chome, Matsubara-shi, Osaka 580-0016, JP,
  OKAMOTO Ryuichi, Room 218, Syonanryo, 16-22, Kikusuidori 1-chome,
    Moriguchi-shi, Osaka 570-0032, JP,
Legal Representative:
  NII Hiromori (agent), c/o NII Patent Firm, 3rd Floor, Shin-Osaka Suehiro
    Center Bldg., 11-26, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi,
    Osaka 532-0011, JP,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200327848 A2 20030403 (WO 0327848)
  Application: WO 2002JP7823 20020731 (PCT/WO JP0207823)
  Priority Application: JP 2001236029 20010803; JP 200217928 20020128
Designated States: CN KR NO SG
  (EP) DE ES FI FR GB IT NL SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 23220

Main International Patent Class: **G06F-011/14**

                    Bode Akintola   09-Jun-03

Fulltext Availability:
  Detailed Description

Detailed Description
... to the Japanese
  Laid-Open Patent Application No, 11-220718f identification
  information unique to a **terminal** is recorded with a linkage to the
  3o data for **backup** . When the data is to be restored,, whether or not
  the terminal holds the identification...units (a ticket
  generation unit 112, a communication processing unit 113 and a
  right data **management** unit 115) realized by a **program** , etc.

  The right information **DB** 111 memorizes the subscribed
  content usage right by each terminal 140. The ticket generation
  unit...disk,, etc, (a user information DB 711, a
  right information DB 712 and a backup **DB** 714) and 4 processing
  units realized by a **program** , etc, (a ticket generation unit 713, a
  right data **management** unit 715, a user information management
  unit 716 and a communication processing unit 113), The...713 Issues the
  LT based
  on the content usage right, managed within the right information
   DB 712. The **backup**   **DB** 714 is a memory area to hold the content
  usage right (LT) related to a...

...715 manages the subscribed content
  usage right on a user basis in the right information **DB** 712. And,
  according to a user's request, it performs **backup** for the content
  usage right (LT) that the user manages in each terminals 140@
  141, and restores it. To be more specific, after the user whose
   terminal 140 is making the **backup** request is confirmed to be a
  pre-registered user, the right data management unit 715...

...user"s backup request
  with the user ID of the user, stores them to the **backup**   **DB** 714
  and manages these relations in a table, Also, according to the
  - 18
  userrs restoration request, the content usage right (LT) that is
  backed-up in the **backup**   **DB** 714 is restored in the user **terminals**
  140@141. The user information management unit 716 relates the
  client ID to the ...a
  user information management unit 2716 and a communication
  processing unit 2113) realized by a **program** , etc, When the right
  data **management** unit 2715 receives a **backup** request from the
  5 **terminals** 2140@2141, it queries other **terminals** 2140@2141 used
  by the same user via the communication processing unit 2113
  about the 712 regarding the user,
  and then stores the total right data in the **backup**   **DB** 714. Also, if
  the right data management unit 2715 receives the restoration
  request, it updates the right information in the right information
   DB 712 with the **backup** data stored in the **backup**   **DB** 714, sends
  a normal termination message of the restoration to all of the
  terminals 2140...uses it during a specific campaign period, or the
  lo usage right for a certain **software** trial version,
  The right **management**   **server** 2710, for example, sets an
  item for the **backup** permission flag by each right data to show if
  the backup of the concerned right...2710 stores the right
  information composed of the right data containing the item for the
   backup permission flag as above in the right information **DB** 712
  by each user. If it receives the LT issuance request from the user,,
  the...the content usage right that does not

3o require a backup, the value for the **backup** permission flag written
in the LT is ""1". In the **terminal** 2140 receiving the LT, the received
LT is stored in the data memory unit 131...such a
content distribution system (license management) system, a
backup-restoration method for the license **management** **server** or
the **terminal** **device** , or a **program** that makes a general purpose
 computer **device** execute a distinctive step in the method, And,
such a program may be distributed through...

...mentioned above, the backup-restoration system
according to the present invention is useful as a
 backup -restoration system in a client- **server** style system, and
especially applicable to a license management system in a

10/3,K/40   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00979179   **Image available**
**PARALLELIZED   REDO-ONLY   LOGGING   AND   RECOVERY   FOR   HIGHLY AVAILABLE MAIN
    MEMORY DATABASE SYSTEMS**
**ENREGISTREMENT CHRONOLOGIQUE ET RECUPERATION DE DONNEES UNIQUEMENT <=REDO>=
    EN   PARALLELE POUR DES SYSTEMES DE BASE DE DONNEES A MEMOIRE PRINCIPALE
    A HAUTE DISPONIBILITE**
Patent Applicant/Assignee:
  TRANSACT IN MEMORY INC, The Automation and Systems, San 56-1,
    Shilim-dong, Kwanak-gu, 133-405 Seoul, KR, KR (Residence), KR
    (Nationality)
Inventor(s):
  CHA Sang Kyun, Daerim Apt. 105-1101, 57, Umyon-dong, Secho-gu, 137-782
    Seoul, KR,
  LEE Ju Chang, Navy Apt. 109-601, Wonjung-li, Poseung-myun,
    Pyeongtaek-shi, 451-822 Kyongki-do, KR,
  KIM Ki Hong, Shiyoung Apt., 112-412, Karak-dong, Songpa-gu, 138-160 Seoul
    , KR,
Legal Representative:
  KANG Yong Bok (et al) (agent), Kims International Patent & Law Office,
    15th Floor Yo Sam Building, 648-23, Yeoksam-dong, Kangnam-gu, 135-080
    Seoul, KR,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200309139 A1 20030130 (WO 0309139)
  Application: WO 2002KR1341 20020716 (PCT/WO KR0201341)
  Priority Application: US 2001305956 20010716; US 2001305937 20010716
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
  RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11585

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Claims

Claim
... a database, one or more log disks for storing log records
representing updates to the **database** , and one or more **backup** disks
for storing a copy of the main memory **database** , where the **program**
under the **control** of a **CPU** performs the steps ofgenerating log
records where each log record contains the physical image of...

10/3,K/41   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00950343   **Image available**
METHOD AND APPARATUS FOR PERFORMING FAILURE RECOVERY IN A JAVA PLATFORM
PROCEDE ET APPAREIL CONCUS POUR ASSURER UNE REPRISE SUR INCIDENT DANS UNE
    PLATE-FORME JAVA
Patent Applicant/Assignee:
  SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US
    (Residence), US (Nationality)
Inventor(s):
  MATENA Vladimir, 1322 Kentfield Avenue, Redwood City, CA 94061, US,
  SHARMA Rahul, 3267 Montelena Drive, San Jose, CA 95135, US,
  MORTAZAVI Masood, 1047 November Drive, Cupertino, CA 95014, US,
  KRISHNAN Sanjeev, 19932 Portal Plaza, Cupertino, CA 95014, US,
Legal Representative:
  BROCK Joe A II (agent), Martine & Penilla, LLP, Suite 170, 710 Lakeway
    Drive, Sunnyvale, CA 94085, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200284487 A2 20021024 (WO 0284487)
  Application: WO 2002US11489 20020410   (PCT/WO US0211489)
  Priority Application: US 2001833856 20010411
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH.PL PT RO
  RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9975

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... 216 requests root J2EE Server 1052 to start the root system
  application. The Root ME **Server** 1052 then starts the root system
  application by allocating the **control** module, which is the module
  implementing the executive 210, in operation 1008.

10/3,K/42   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00939275   **Image available**
ADOPTION OF A WORKSTATION IN AN INFORMATION SYSTEM OF A PROCESS CONTROL

ENVIRONMENT ADOPTION OF WORKSTATION IN INFORMATION SYSTEM OF PROCESS CONTROL ENVIRONMENT
GESTION DE PROCESSUS : INCLUSION D'UN POSTE DE TRAVAIL DANS UN SYSTEME INFORMATIQUE

Patent Applicant/Assignee:
  METSO AUTOMATION NETWORKS OY, Lentokentankatu 11, FIN-33900 Tampere, FI,
    FI (Residence), FI (Nationality), (For all designated states except:
    US)
Patent Applicant/Inventor:
  ROIHUPALO Kimmo, Kreetantie 8 B 7, FIN-33950 Pirkkala, FI, FI (Residence)
    , FI (Nationality), (Designated only for: US)
  PURA Ari-Pekka, Haiharankatu 22 B 9, FIN-33710 Tampere, FI, FI
    (Residence), FI (Nationality), (Designated only for: US)
  VILJAMAA Juha, Siirtolapuutarhankatu 3 B 25, FIN-33900 Tampere, FI, FI
    (Residence), FI (Nationality), (Designated only for: US)
  TYYNELA Markku, Solkiniitynkatu 20, FIN-33710 Tampere, FI, FI (Residence)
    , FI (Nationality), (Designated only for: US)
Legal Representative:
  KOLSTER OY AB (agent), Iso Roobertinkatu 23, P.O.Box 148, FIN-00121
    Helsinki, FI,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200273408 A1 20020919 (WO 0273408)
  Application: WO 2002FI200 20020313 (PCT/WO FI0200200)
  Priority Application: FI 2001515 20010314
Designated States: AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY
  BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK
  (utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model)
  FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
  LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK
  (utility model) SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: Finnish
Fulltext Word Count: 3123

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... the workstation to fulfil its special task in the information system.
  Configuration information contains application- **program** -specific and
  typically also **workstationspecific** parameters and settings.
  Configuration information **controls** the operation of one or more
  application programs; for example, it specifies the data transfer
  settings and waiting times to be used...

...prior art, configuration information comprising specific application
  parameters can, if necessary, be stored in a **backup** station, wherefrom
  such information can be restored to a **workstation** .

  It may become necessary to replace a workstation e.g. due to
  equipment malfunction. Successful...

10/3,K/43   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00937112   **Image available**
SYSTEM FOR REPLICATING DATA OF A MOBILE STATION
SYSTEME DE STOCKAGE DE DONNEES
Patent Applicant/Assignee:
  MATCHTIP LIMITED, 10 Stratton Street, London W1J 8LG, GB, GB (Residence),
    GB (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  SCHRIRE Michael Anton, Flat 3, 128 Fellows Road, London NW3 3JH, GB, GB
    (Residence), GB (Nationality), (Designated only for: US)
  SELLERS Paul, 12 Campden Grove, London W8 4JG, GB, GB (Residence), GB
    (Nationality), (Designated only for: US)
Legal Representative:
  BERESFORD Keith Denis Lewis (et al) (agent), Beresford & Co., 2-5 Warwick
    Court, High Holborn, London WC1R 5DH, GB,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200271219 A2-A3 20020912 (WO 0271219)
  Application: WO 2002GB1022 20020306 (PCT/WO GB0201022)
  Priority Application: GB 20015646 20010307; GB 200122598 20010919
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
  RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 19525

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... backup service centre of the second embodiment of the
  invention;
  Figure 20 illustrates schematically the **database**
  management and relational database system incorporated
  in the **database   backup** service centre of Figure 19;
  Figure 21 illustrates the **application** interface **software**
  module incorporated in the **database   management** system of
  Figure 20;
  Figure 22 illustrates the **database** files incorporated in
  the relational database system of Figure 20;
  Figure 23 is a schematic...

...a schematic diagram of the functional
  modules of software and hardware incorporated in the
  application **server** in the data **backup** service centre of
  Figure 19;
  Figure 28 illustrates the process steps performed at the
  SIM...to the service at the customer service server
  205, This is communicated to the application **server** 203
  which sends a restore request to the **application**
  interface **software** 219 in the **database   management** system
  196. Within the **application** interface **software** 219, the
   database   control language parser 227 produces a restore

command which is written into the database via a...usage pattern of a
previous fraudulent user.

It will be appreciated that, whilst the fraud **management**
system 331 is shown within the **application**   **server** 203,
where the fraud **management** system is run by a third party
to the system operator for the backup and...

10/3,K/44   **(Item 6 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00901292   **Image available**
**METHOD   FOR PARALLEL DATATRANSMISSION FROM COMPUTER IN A NETWORK AND BACKUP
    SYSTEM THEREFOR**
**PROCEDE   DE TRANSMISSION PARALLELE DE DONNEES A PARTIR D'UN ORDINATEUR DANS
    UN RESEAU D'ORDINATEURS ET SYSTEME DE SECOURS ASSOCIE**
Patent Applicant/Inventor:
  FALD Flemming Danhild, Rugstedvej 23, DK-7100 Vejle, DK, DK (Residence),
    DK (Nationality)
Legal Representative:
  PATENTGRUPPEN APS (agent), Arosgarden, Aaboulevarden 23, DK-8000 Aarhus C
    , DK,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200235355 A1 20020502 (WO 0235355)
  Application: WO 2001DK707 20011025 (PCT/WO DK0100707)
  Priority Application: DK 200042 U 20001025; DK 200185 U 20010320 (DK U;
    DK U)
Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY
  BZ CA CH CN CO CR CU CZ CZ (utility model) DE DE (utility model) DK DK
  (utility model) DM DZ EC EE EE (utility model) ES FI FI (utility model)
  GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
  MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility
  model) SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6447

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

English Abstract
  ...said network. The method comprises the steps of establishing
  connections between at least two backup **application**   **agents** of at
  least two **computers** and teh backup **managing** means of said bckup
  system, parallel transmission of data files from at least one computer
  with some form of identification from said at least one backup
  application   **agent** to said **backup**   **managing** means, and **storage** of
  said data files in one or more **databases** of said **backup** system. The
  invention also relates to a **backup** system and a **computer** program
  product.

Detailed Description
... method comprising the steps of establishing parallel data

communicating connections between at least two backup **application agents** of at least two **computers** and the **backup managing** means of said **backup** system, parallel transmission allowing transmission of data files from at least one **computer** with identification codes from said at least one **backup application agent** to said **backup managing** means, and **storage** of said data files in one or more **databases** of said **backup** system.

10/3,K/45   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00887113   **Image available**
A COMPUTER WITH SWITCHABLE COMPONENTS
ORDINATEUR A COMPOSANTS COMMUTABLES
Patent Applicant/Assignee:
  SELF REPAIRING COMPUTERS INC, 2460 - 21st Aenue, San Francisco, CA, US,
    US (Residence), US (Nationality)
Inventor(s):
  LARGMAN Kenneth, 2460 - 21st Avenue, San Francisco, CA 94116, US,
  MORE Anthony B, 750 Warfield AVenue, #504, Oakland, CA 94610, US,
  BLAIR jeffery, #6 El Sereno Court, San Francisco, CA 94116, US,
Legal Representative:
  ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert
    LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US
    ,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200221274 A1 20020314 (WO 0221274)
  Application: WO 2001US16629 20010521 (PCT/WO US0116629)
  Priority Application: US 2000205531 20000519; US 2000220282 20000724; US
    2001291767 20010517
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD
  SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 33588

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Claims

Claim
... Proof
  System " - "Hardware-Repair System " - "Freeze-Buster System " -
  "Net-Lock System
  "Entertainment1Communication System "for Computing **Devices** and Hardware
  Invented by Anthony More & Kenneth Larginan Version 42601
  " **backup** " partition "c!'. Each backup that is created may be given a
  unique time/date stamp...
...handled by programs in ROM, programmable logic controllers, circuit
  boards, and various forms of data **storage devices** .
  16
  " **Backup** andlor Repair System 'Multi-User System Prus-ProoflHacker-Proof
  System " - "Hardware-Repair System " - "Freeze-Buster...have totally
  separate and independent and m ultiple-operating -systems and-unique

-setups on -one
computer
The "Multi-User System" can be used to **control** totally different setups
of operating systems and **software** , and switch back and forth between
them. For example this would enable a computer to...switch trigger may be
mounted on and/or in the computing hardware and/or on **devices** , control
panels, dashboards, remote locations, **control** rooms, and anywhere. It
may also be initiated in **software** only. 7.3 Switching Process: The
process of using a Switch Mechanism to switch data...the storage device
circuitry. It can be built with wires and relays, and/or a **software**
switching process, and/or a circuitboard, and/or a logic **control**
device . . An optional switch can be used that is separate or integrated
into the data storage device. 7 6.
Anopflonalprograin/scriptcangivetheuser/operatorthechoiceofwhichbackup
and/or **archive** they want to use to the repair. Optionally, the **backup**
and/or **archive**
-process could also run automatically and/or on a timed schedule,
36
"Backup andlor Repair turning. Or, another method can prevent damage to
the computing **device** : Option: An "StorExecutc!' (logic **control**
device , **Programmable** Logic Controller and/or circuit board) can be
used that can perform one or more...
10/3,K/46   (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00887112   **Image available**
SELF ARCHIVING LOG STRUCTURED VOLUME WITH INTRINSIC DATA PROTECTION
PROTECTION INTRINSEQUE DE DONNEES AU MOYEN D'UNE SEQUENCE STRUCTUREE DE
    SESSIONS A ARCHIVAGE AUTOMATIQUE
Patent Applicant/Assignee:
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Inventor(s):
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  MARTIN Marcia R, 724 Nelson Park Circle, Longmont, CO 80503, US,
  HOLDMAN Jon M, 7865 West 46th Avenue, Wheat Ridge, CO 80033, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200221273 A2-A3 20020314 (WO 0221273)
  Application: WO 2001US28420 20010910 (PCT/WO US0128420)
  Priority Application: US 2000657291 20000908
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5720

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description
  Claims

English Abstract
  A data backup system for use with a **server** running a **storage**
  application such as a file system or **database** **management** system that
  writes and reads data blocks to and from a volume. The data **backup**
  system includes a self **archiving** log structured volume for copying
  blocks from the active volume while the storage application is...

  ...the self archiving log structured volume are in a consistent state with
  respect to the **storage** application. The data **backup** system further
  includes backing **storage** operable with the self **archiving** log
  structured volume to store the archived data blocks and synch events of
  the self...

Detailed Description
... been written, reducing the possibility of error by eliminating many
  backup administrative activities, simplifies the **management** of
  associated tape libraries, and does not compete with **storage**
  applications for network bandwidth or access to active data.

  Self **archiving** log structured volume 16 is operable to capture all
  block.level storage application 14 activity...of the log. The restored
  portion of log 22 may exceed one reconstruction length. An **agent**
  communicating with a user, **storage** **application** 14, and recovery
  volume 92 can allow the user to cause the index to be...data backup
  system 10. Each server 112, 114, and 116 includes a synch agent 102.
  Server 114 includes a **database** **agent** 118. This illustrates that,
  depending on the **storage** **application** owning each volume, different
  types of synch **agents** will be required. Virtual **devices** 120 contain
  the client virtual volumes 14 for the servers. A self protecting storage
  device...

Claim
... data backup system comprising:
  a self archiving log structured volume for copying blocks from
  primary **storage** to backing **storage** while the **storage** **application**
  is running;
  an **agent** to indicate to the self **archiving** log structured volume when
  the blocks of the self archiving log structured volume are in a
  consistent state with
  respect to the **storage** application; and
  primary and **backup** **storage** operable with the self **archiving** log
  structured volume to store the logged blocks and synch events of the self
  archiving...

 10/3,K/47   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00870051   **Image available**
METHOD FOR UPGRADING A COMPUTER SYSTEM
SYSTEME ET PROCEDE PERMETTANT DE SIMPLIFIER ET DE GERER DES TRANSACTIONS
  COMPLEXES DANS UN SYSTEME INFORMATIQUE A GRANDE DISPONIBILITE REPARTIE
Patent Applicant/Assignee:
  SUN MICROSYSTEMS INC, M/S UPAL01-521, 901 San Antonio Road, Palo Alto, CA
    94303, US, US (Residence), US (Nationality)
Inventor(s):
  KAMPE Mark A, 4232 Glenwood Avenue, Los Angeles, CA, US,
Legal Representative:
  BURTON Carol W (et al) (agent), Hogan & Hartson LLP, Suite 1500, 1200

17th Street, Denver, CO 80202, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200203195 A2-A3 20020110 (WO 0203195)
  Application: WO 2001US19143 20010615 (PCT/WO US0119143)
  Priority Application: US 2000608785 20000630
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
  KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
  SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8687

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... system 120 is to detect failures within the system and orchestrate
  failure
  lo recovery. Availability **management** system 120 also **manages** upgrades
  as
  described below. **Applications** running on peer **nodes** interact through
  a
  location-independent distributed processing environment (DPE) so that
  work can be easily migrated from a failing **node** to another healthy
  peer **node** . The multiple **redundant** links 108 ensure that a failure by
  a single interconnect cannot isolate a node from its peers. For example,
  if a single interconnect within link 108A fails between **nodes** 102 and
  104, there are other **redundant**
  interconnects within link 108A to continue service between **nodes** 102
  and
  104.

  The availability management system coordinates operational states of
  components to implement a...

 10/3,K/48   (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00861941   **Image available**
**A METHOD AND SYSTEM FOR HIGHLY-PARALLEL LOGGING AND RECOVERY OPERATION IN
  MAIN-MEMORY TRANSACTION PROCESSING SYSTEMS**
**A METHOD AND SYSTEM FOR HIGHLY-PARALLEL LOGGING AND RECOVERY OPERATION IN
  MAIN-MEMORY TRANSACTION PROCESSING SYSTEMS**
Patent Applicant/Assignee:
  TRANSACT IN MEMORY INC, The Automation and Systems, Research Institute
    133-405, San 56-1, Shilim-dong, Kwanak-gu, Seoul 151-742, KR, KR
    (Residence), KR (Nationality)
Inventor(s):
  CHA Sang Kyun, Daerim APT., 105-1101, 57, Umyon-dong, Socho-gu, Seoul
    137-782, KR,
  LEE Ju Chang, Haegun APT., 109-601, Wonchong-ri, Posung-myon,
    Pyongtaek-shi, Kyonggi-do 451-820, KR,

KIM Ki Hong, Shiyoung APT., 112-412, Karak-dong, Songpa-gu, Seoul 138-160
, KR,
Legal Representative:
  KIM Yong In (et al) (agent), 15th Floor, Yo Sam Bldg., 648-23,
    Yeoksam-dong, Kangnam-ku, Seoul 135-080, KR,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200195640 A2-A3 20011213 (WO 0195640)
  Application: WO 2000KR1542 20001228   (PCT/WO KR0001542)
  Priority Application: KR 200031166 20000607
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS
  LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6111

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Claims

Claim
... or more log disks for storing log records for parallel recovery of the
  main memory **database** , and one or more **backup** disks for storing a copy
  of the main memory **database** , where the **program** under the **control** of
  a **CPU** performs the steps oftaking a before image of the database before
  an update to the...

  10/3,K/49   (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00851681   **Image available**
**BACKUP AND RESTORE SYSTEM FOR DATA DERIVED FROM A PLURALITY OF HOST
    EQUIPMENT IN HETEROGENEOUS ENVIRONMENT**
**SYSTEME DE SAUVEGARDE ET DE RESTAURATION AUTOMATIQUE DE DONNEES PROVENANT
    D'UNE PLURALITE D'EQUIPEMENTS HOTES EN ENVIRONNEMENT HETEROGENE**
Patent Applicant/Assignee:
  NEAR TECHNOLOGIES, 13, avenue du Quebec, F-91951 Villebon-sur Yvette
    Cedex, FR, FR (Residence), FR (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
  DELBOSC Jean-Marc, 11, avenue du Chateau, F-91092 Lisses, FR, FR
    (Residence), FR (Nationality), (Designated only for: US)
  AZAMBRE Hubert, 10, rue de Valois, F-91940 les Ulis, FR, FR (Residence),
    FR (Nationality), (Designated only for: US)
  BLANCHET Claude, 27, rue du Fief, F-91530 Saint-Cheron, FR, FR
    (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
  BREESE-MAJEROWICZ (agent), 3, avenue de l'Opera, F-75001 Paris, FR,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200184265 A2-A3 20011108 (WO 0184265)
  Application: WO 2001FR1324 20010427   (PCT/WO FR0101324)
  Priority Application: FR 20005527 20000428
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

```
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
```
Publication Language: French
Filing Language: French
Fulltext Word Count: 2461

Main International Patent Class: **G06F-011/14**

English Abstract
...system for data derived from a plurality of host equipment in
heterogeneous environment, comprising a **backup** server including at
least a buffer hard disc, the **backup** **server** being connected to each
element of the **computer** equipment via at least a **computer** network and
to physical **backup** units consisting of **backup** management units and
tape **management** units, the **backup** **server** being controlled by a
supervising **programme** ensuring communication between the various
elements of the system and processing exchanged digital data. The
invention is characterised in that the **backup** **server** comprises an
emulation programme for simulating a **backup** equipment compatible with
the environment of any one of the **computer** equipment elements to be
saved, and for recording an image of part at least of...

...data exchanged with the various equipment elements into single-format
data for exchanges with the **backup** **server** .

 10/3,K/50   **(Item 12 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00848476   **Image available**
**METHOD AND APPARATUS FOR PROVIDING VOLUME SNAPSHOT DEPENDENCIES IN A
    COMPUTER SYSTEM**
**PROCEDE ET APPAREIL FOURNISSANT DES INTERACTIONS D'INSTANTANE D'ECRAN DE
    VOLUME DANS UN SYSTEME INFORMATIQUE**
Patent Applicant/Assignee:
  MICROSOFT CORPORATION, One Microsoft Way, Redmond, WA 98052, US, US
    (Residence), US (Nationality)
Inventor(s):
  GOLDICK Jonathan S, Apartment 303, 2515 4th Avenue, Seattle, WA 98121, US
    ,
  CABRERA Luis Felipe, 2009 Killarney Way SE, Bellevue, WA 98004, US,
  OLTEAN Paul, Apartment 127, 4850 156 Avenue, Northeast, Redmond, WA 98052
    , US,
Legal Representative:
  ROCCI Steven J (et al) (agent), Woodcock Washburn Kurtz Mackiewicz &
    Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200182082 A1 20011101 (WO 0182082)
  Application: WO 2000US15498 20000606   (PCT/WO US0015498)
  Priority Application: US 2000557250 20000424
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
  DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK
  SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

```
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
```
Publication Language: English
Filing Language: English
Fulltext Word Count: 6585

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description
  Claims

English Abstract
    ...the system and applications, and a common protocol for an application
    programming interface (API). Thus, **applications** can communicate their
    external dependencies to a common **software** **agent** having a **storage**
    component, thereby maintaining a table, list or other organized
    information relating to applications' dependencies for...

Detailed Description
... the system and applications, and a cominon protocol for an application
    programming interface (API). Thus, **applications** can communicate their
    extemal dependencies to a cornmon **software** **agent** having a **storage**
    component, thereby maintaining a table, list or otlier organized
    information relating to applications' dependencies for...

Claim
... in said computer system with an application dependeney application
    programming interface (API) for cominunications of **application**
    dependency information among **applications** , a conunon **software**
     agent , a **storage** component utilized by said **agent** and a **backup**
    service;
    storing in said **storage** component at least one application's dependency
    information;
    and
    communicating said application dependency inforination from said **storage**

    component to said **backup** service.

    2 A method as recited in claim 1, wherein said bacImp service includes a
    ...

   10/3,K/51   (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00815057   **Image available**
**METHOD AND APPARATUS FOR MANAGING INFORMATION RELATED TO STORAGE ACTIVITIES
    OF DATA STORAGE SYSTEMS**
**PROCEDE ET DISPOSITIF DE GESTION D'INFORMATIONS SE RAPPORTANT AUX ACTIVITES
    DE MEMORISATION DE SYSTEMES DE MEMOIRES INFORMATIQUES**
Patent Applicant/Assignee:
  EMC CORPORATION, 171 South Street, Hopkinton, MA 01748-9103, US, US
    (Residence), US (Nationality)
Inventor(s):
  PHILLIPS Jeffrey, 20 Adam Circle, Northbridge, MA 01534, US,
  ALLEN David, 84 Wingate Road, Holliston, MA 01746, US,
  SERKEZ Brett, 20 Perry Henderson Drive, Framingham, MA 01701, US,

                        Bode Akintola   09-Jun-03

BOUCHARD Peter, 11 Crowfarm Lane, Norton, MA 02766, US,
Legal Representative:
  GIUNTA Richard F (agent), Wolf, Greenfield & Sacks, P.C., 600 Altlantic
    Avenue, Boston, MA 02210, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200148609 A1 20010705 (WO 0148609)
  Application: WO 2000US31735 20001120 (PCT/WO US0031735)
  Priority Application: US 99471869 19991223
Designated States: JP
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 16747

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... data. In particular, the EDM backup system is capable of providing
  unattended offline or online **backup** of one or more network client
  computer systems. For example, in computer environments such as that
  shown in Fig. I in which the line 18 represents a network connection, an
  EDM **backup** system may act as a **backup** **server** to one or more client
  computer systems (such as the **computer** system 1 0) coupled to the
  network. The EDM **backup** system is a fully integrated package that
  includes all required hardware (e.g., a host processor, controllers, user
  interface components, etc.), and **software** for **storage** media
  management and **backup** system operation. In addition to UNIXTm
  envirom-nents, the EDM backup system fully supports, for example, OS/2TM'
  NetWareTM, Windows NTTm and other operating systems, and is capable of
  performing **database** **backup** and restore operations for vendors such as
  OracleTM, Sybase InformixTm, and Microsoft SQLTM.

  As shown...

 10/3,K/52   (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00779660   **Image available**
REMOTE MIRRORING SYSTEM, DEVICE, AND METHOD
SYSTEME, DISPOSITIF ET PROCEDE DE MIROITAGE A DISTANCE
Patent Applicant/Assignee:
  EMC CORPORATION, 35 Parkwood Drive, Hopkinton, MA 01748, US, US
    (Residence), US (Nationality)
Inventor(s):
  DUPREY Dennis, 100 Tibury Court, Raleigh, NC 27615, US,
  LUCOVSKY Jeffrey, 104 Serence Court, Cary, NC 27511, US,
  ROA Guillermo, 8833 Braceridge Road, Raleigh, NC 27613, US,
Legal Representative:
  SUNSTEIN Bruce D (et al) (agent), Bromberg & Sunstein LLP, 125 Summer
    Street, Boston, MA 02110-1618, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200113235 A1 20010222 (WO 0113235)
  Application: WO 2000US21193 20000802 (PCT/WO US0021193)
  Priority Application: US 99375860 19990817
Designated States: JP KR
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Detailed Description
... but not the other SP. Therefore, each SP (204, 208) is capable of
  providing full **management** functions for the **storage** unit.

  The SP **software** requires each LU to be owned and accessed through one
  and only one SP at...

...storage unit, both SPs process requests and perform various management
  functions in order to provide **redundancy** for the **storage** unit. If one
  of the SPs falls, the other SP takes over management of the...plurality
  of data images include a master image and at least one slave image. The
  computer **program** includes disk **management** logic providing an
  interface to a non-volatile **storage** for storing at least the master
  image and to a network interface for accessing the...
...one slave image based upon the write request, preferably using a "lazy"
  deletion technique. The **computer** program may also include automatic
  backup /restoral logic for storing

Claim
... logic upon detecting a failure and restore the write intent log from
  the non-volatile **storage** via the disk **management** logic upon recovery
  from the failure.

  28 The **program** product of claim 21, wherein the resynchronization logic
  is programmed to copy those portions of...

 10/3,K/53   **(Item 15 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00772868   **Image available**
MODULAR BACKUP AND RETRIEVAL SYSTEM
SYSTEME MODULAIRE DE RECHERCHE ET DE SECOURS
Patent Applicant/Assignee:
  COMMVAULT SYSTEMS INC, 2 Crescent Place, Oceanport, NJ 07757-0900, US, US
    (Residence), US (Nationality)
Inventor(s):
  CRESCENTI John, 1 Ivy Road, Freehold, NJ 07728, US
  KAVURI Srinivas, 40 Maple Court, Highland Park, NJ 08904, US
  OSHINSKY David A, 22 Francis Road, East Brunswick, NJ 08816, US
  PRAHLAD Anand, 3 Bucknell Drive, East Brunswick, NJ 08816, US
Legal Representative:
  BENNETT James D, Akin, Gump, Strauss, Hauer & Feld, LLP, Suite 1900, 816
    Congress Avenue, Austin, TX 78701, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200106368 A1 20010125 (WO 0106368)
  Application: WO 2000US19329 20000717 (PCT/WO US0019329)
  Priority Application: US 99354063 19990715
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English

Filing Language: English
Fulltext Word Count: 8837

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description
  Claims

English Abstract
  ...various computing devices communicating to the modules. Actions of
  modules on one of the computing **devices** acts as a system manager for a
  network **backup** regimen. A management component acts as a manager for
  the **archival** and restoration of the computing devices on the network.
  It manages and allocates library media usage, maintains **backup**
  scheduling and levels, and supervises or maintains the **archives**
  themselves through pruning or aging policies. The management component is
  not hard wired in its...

Detailed Description
...   invention is directed towards a backup and retrieval system. The
  backup system comprises a first **software** **agent** for **managing** the
  overall **backup** and **retrieval** functions across one or more **computers**
  . The system comprises a second **software** **agent** in communication with
  the first **software** **agent** , where the second **software** **agent** is
  communicatively coupled to at least one library media. The second
  software agent controls and...

  ...onto the library media.

  Another embodiment of the backup and retrieval system uses a third
  software **agent** .

 10/3,K/54   (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00772867   **Image available**
HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM
SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE
Patent Applicant/Assignee:
  COMMVAULT SYSTEMS INC, 2 Crescent Place, Oceanport, NJ 07757-0900, US, US
    (Residence), US (Nationality)
Inventor(s):
  CRESCENTI John, 1 Ivy Road, Freehold, NJ 07728, US
  KAVURI Srinivas, 40 Maple Court, Highland Park, NJ 08904, US
  OSHINSKY David A, 22 Francis Road, East Brunswick, NJ 08816, US
  PRAHLAD Anand, 3 Bucknell Drive, East Brunswick, NJ 08816, US
Legal Representative:
  BENNETT James D, Akin, Gump, Strauss, Hauer & Feld, LLP, Suite 1900, 816
    Congress Avenue, Austin, TX 78701, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200106367 A1 20010125 (WO 0106367)
  Application: WO 2000US19324 20000717 (PCT/WO US0019324)
  Priority Application: US 99354058 19990715
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 6616

Main International Patent Class: **G06F-011/14**

Fulltext Availability:
  Detailed Description
  Claims

English Abstract
  The invention is a hierarchical **backup** system. The interconnected
  network computing **devices** are put into groups of **backup** cells. A
  backup cell has a manager software agent responsible for maintaining and
  initiating a **backup** regime for the network computing **devices** in the
  backup cell. The backups are directed to **backup** **devices** within the
  backup cell. Several **backup** cells can be defined. A manager software
  agent for a particular cell may be placed...

  ...agent to define a new backup regimen for the backup cell controlled by
  the second **software** **agent** . Or, if the second **software** **agent** fails
  or cannot function properly, the first **software** **agent** can direct the
  backup of the second cell. The **software** **agents** need not operate on
  separate computing **devices** . Additionally, a **backup** hierarchy may be
  achieved using the communication and control techniques of the software
  agents.
10/3,K/55 **(Item 17 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00747073   **Image available**
BACKGROUND SYNCHRONIZATION FOR FAULT-TOLERANT SYSTEMS
SYNCHRONISATION NON PRIORITAIRE POUR SYSTEMES INSENSIBLES AUX DEFAILLANCES
Patent Applicant/Assignee:
  MARATHON TECHNOLOGIES CORPORATION, 1300 Massachusetts Avenue, Boxboro, MA
    01719, US, US (Residence), US (Nationality)
Inventor(s):
  BISSETT Thomas D, 30 Higgins Drive, Kingston, RI 02881, US
  LEVEILLE Paul A, 12 Stratton Road, Grafton, MA 01519, US
  MUENCH Erik, 677 Salem Street, Groveland, MA 01834, US
  LORD Christopher C, 294 Hubbardston Road, Princeton, MA 01541, US
Legal Representative:
  HAYDEN John F, Fish & Richardson P.C., 601 Thirteenth Street, N.W.,
    Washington, DC 20005, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200060463 A1 20001012 (WO 0060463)
  Application: WO 2000US8940 20000405 (PCT/WO US0008940)
  Priority Application: US 99127881 19990405
Designated States: AU CA JP
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 11160

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... a significant interruption of service. Subsequent system performance
  also may be degraded. Examples of passively **redundant** systems include
  stand-by **servers** and clustered systems. The mechanism for handling a
  failure in a passively redundant system is to "fail-over," or switch
  control , to an alternative **server** . The current state of the failed
  application may be lost, and the application may need to be restarted in
  the other system...

DIALOG(R)File 349:PCT FULLTEXT

00577720   **Image available**
**APPARATUS AND METHOD FOR PERFORMING BACKUP FROM PRIMARY STORAGE DEVICES TO
    ONE SECONDARY STORAGE DEVICE OVER A NETWORK**
**PROCEDE   ET DISPOSITIF DE MISE EN OEUVRE D'UN SYSTEME DE MEMOIRES
    D'ORDINATEURS**
Patent Applicant/Assignee:
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    (Residence), US (Nationality)
Inventor(s):
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Legal Representative:
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    Avenue, Boston, MA 02210, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200041093 A2-A3 20000713 (WO 0041093)
  Application: WO 99US29499 19991213 (PCT/WO US9929499)
  Priority Application: US 98224637 19981231
Designated States: DE GB JP KR SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 27523

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... converts the backup data into file data -- i.e. gets the data from the
  physical **storage** system level 16, and converts the data into
  application level format (e.g. a file) through the logical volume
  manager level 14, the file system level 12 and the **application** level
  IO. Thus, an actual data file may be communicated over the network 5 6 to
  the **backup storage device** 54. When the **backup storage device**
  54 receives the data file.
  the backup **storage** system 54 can take the application level I 0 data
  file, convert it to its...from each of three different storage levels -I
  0 host, primary storage element and secondary **storage** element.

  In the example of FIG. I IA. a **storage management application**
  ("SMAPP") 114 is primarily a resident on the host **computer** I IO. Thus,
  the host **computer** would include an **Application Programming**
  Interface ("API") which would permit **management** of copying, **backup**
  and restore (and other) operations. In addition, the **storage**
  management application 1 5 1 14 on the host I I 0 includes a server
  component I I 5b. Again, the host would include an API permitting
  management of **server** operations. Finally, the **storage management**

application 114,inthisexample,includesaclientcomponent115c.
Theclientcomponentwouldbe responsible for identifying and manipulating
logical objects and identifying (from the...At state 280, a backup
control stream session (or virtual channel) is requested by the **storage
management application** (e.g., on the host **computer**). Establishment
of the virtual channel may involve selecting an appropriate front end and
back end...state 291 1, where a request to open a virtual channel has
been received. The **storage management application** handles the
opening I 0 of tapes, for example by requesting a tape open for...
...both backup and restore, the cataloging and identification of tapes can
be handled by the **storage management application** , as is done for
other mechanisms for formatting data stored on a storage system. The...

10/3,K/57   (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00563409   **Image available**
FILE SERVER SYSTEM
SYSTEME SERVEUR DE FICHIERS
Patent Applicant/Assignee:
  SUN MICROSYSTEMS LIMITED,
  SUN MICROSYSTEMS INCORPORATED,
Inventor(s):
  MAYHEAD Martin,
  PARRINGTON Graham,
  RADLEY James,
  STAROVIC Gradimir,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200026782 A1 20000511 (WO 0026782)
  Application: WO 99US25379 19991028   (PCT/WO US9925379)
  Priority Application: US 98185414 19981103
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
  RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
  CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 9292

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... ups. Location and handling of replica copies of a given replicable
  component is under the **control** of a replication **manager** which is a
  (non-replicable) **software** component of the file **server** system. The
  replication **manager** is distributed, meaning it can have one of its
  instances running on each node of...

...of the nodes may be provided with direct
  network connections to the clients to provide **redundancy** . The network
  connections may be private or public.

  The **nodes** are preferably loosely coupled. Each node is preferably
  provided with local storage, such as disk...

10/3,K/58   (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00545188   **Image available**
SYSTEM BACKUP AND RECOVERY
SAUVEGARDE ET RECUPERATION DE SYSTEME
Patent Applicant/Assignee:
  HEWLETT-PACKARD COMPANY,
  GOLD Stephen,
  CRIGHTON Ian Peter,
Inventor(s):
  GOLD Stephen,
  CRIGHTON Ian Peter,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200008561 A1 20000217 (WO 0008561)
  Application: WO 99GB2594 19990806   (PCT/WO GB9902594)
  Priority Application: EP 98306358 19980807
Designated States: GB JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
  PT SE
Publication Language: English
Fulltext Word Count: 15588

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... known tape drives include DDSTm and LTOTM compliant tape drives, both
  available from HP.

  Generally, **backup application software** comprises one or more
  computer programs 30 for **managing** data **backup** and restore operations
  on a **computer** system. Typically, the software provides a user
  interface, which gives the user the opportunity to...

...hard disk system). In addition, backup 35 application software typically
  permits the user to schedule **backup** operations to occur when the
  computer system is not being used, for example at midnight each night.
  Then, at midnight each...

10/3,K/59   (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00492210   **Image available**
AUTOMATIC BACKUP BASED ON DISK DRIVE CONDITION
COPIE DE SAUVEGARDE AUTOMATIQUE EN FONCTION DE L'ETAT DE L'UNITE DE DISQUE
Patent Applicant/Assignee:
  GATEWAY 2000 INC,
Inventor(s):
  ASSAF Mahmoud,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9923562 A1 19990514
  Application: WO 98US23152 19981030   (PCT/WO US9823152)
  Priority Application: US 97962624 19971103
Designated States: AU CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
  PT SE

Publication Language: English
Fulltext Word Count: 4144

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... drive is transferred to the tape as represented by a bus 218, such as
  a **PCI** bus. It should be noted that **backup**
  program 222 can be used to cause **backup** to any suitable **storage
  device** ,
  I 0 whether local or remote via network. **Application   agent** 214 serves
  as a router between the bios 212 and the operating system.

  Analysis block...

 10/3,K/60   (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00480749   **Image available**
METHOD, SOFTWARE AND APPARATUS FOR SAVING, USING AND RECOVERING DATA
**PROCEDE, LOGICIEL ET DISPOSITIF PERMETTANT DE SAUVEGARDER, UTILISER ET
    RECUPERER DES DONNEES**
Patent Applicant/Assignee:
  WILD FILE INC,
  SCHNEIDER Eric D,
  FERRIL William C,
  WHEELER Douglas N,
  SCHWARTZ Lawrence E,
  BRUGGEMAN Edward W,
Inventor(s):
  SCHNEIDER Eric D,
  FERRIL William C,
  WHEELER Douglas N,
  SCHWARTZ Lawrence E,
  BRUGGEMAN Edward W,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9912101 A2 19990311
  Application: WO 98US18863 19980904 (PCT/WO US9818863)
  Priority Application: US 97924198 19970905; US 9839650 19980316; US
    98105733 19980626
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
  US US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
  AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
  GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 51490

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... whose sizes are independent of the storage committed to maintaining
  historic data on their respective **PC** 's. Provisions in the **PC** 's

software provides an easily **managed** single point to maintain, expand, and **manage** . Further, removable **backup** (tape) services can be provided directly from this **redundant storage** and so avoid any interaction, and thus loading or performance impact, to the various PC...

10/3,K/61   (Item 23 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00480746   **Image available**
DATA BACKUP AND RECOVERY SYSTEMS
SYSTEMES DE SAUVEGARDE ET DE RECUPERATION DE DONNEES
Patent Applicant/Assignee:
  HEWLETT-PACKARD COMPANY,
  GOLD Stephen,
  BATHIE Jon,
  KING Peter,
  CRIGHTON Ian Peter,
Inventor(s):
  GOLD Stephen,
  BATHIE Jon,
  KING Peter,
  CRIGHTON Ian Peter,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9912098 A1 19990311
  Application: WO 98GB2603 19980828   (PCT/WO GB9802603)
  Priority Application: EP 97306628 19970829; EP 97306629 19970829
Designated States: JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE
Publication Language: English
Fulltext Word Count: 10967

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

English Abstract
  ...multiple servers (230) are connected via a local area network (LAN) (220) to a tape **backup** apparatus (240). Each client (210) and each **server** is provided with **backup agent software** (215), which schedules **backup** operations on the basis of time since the last backup, the amount of information generated...

...a mechanism to receive backup requests from the client agents (215) and accept or reject **backup** requests on the basis of **backup server** loading, network loading, or the like. The tape **backup** apparatus (240) is further provided with mechanisms to enact **redundant** file elimination (RFE), whereby the **server** indicates to the client agents, prior to files being backed up, that certain of the files to be backed up are already stored by the **backup server** . Thus, the clients do not need to send the **redundant** files to be backed up. The tape **backup** apparatus (240) comprises a two-tier data **storage** system in which all backed up data is stored in on-line media, such as...

...line media (244) is periodically backed up to off-line media, such as tape. The **backup server** is provided with mechanisms whereby a client can restore any of its "lost" data by copying it directly from the on-line **storage** , without the need for **backup** administrator assistance.

Detailed Description
... servers typically provide a common central point for some function
   such as shared hard disk **storage** , data backup **storage** , **software**
   applications or printer **control** .

   There are a number of current schemes used for backing up data on the
   network...

10/3,K/62   (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00478128   **Image available**
**METHOD AND SYSTEM FOR NONREDUNDANT BACKUP OF IDENTICAL FILES STORED ON
   REMOTE COMPUTERS**
**PROCEDE ET SYSTEME POUR LA SAUVEGARDE NON REDONDANTE DE FICHIERS IDENTIQUES
   STOCKES DANS DES ORDINATEURS DISTANTS**
Patent Applicant/Assignee:
  TELEBACKUP SYSTEMS INC,
Inventor(s):
  SWOVELAND Cary,
  SOMERVILLE Robert,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9909480 A1 19990225
  Application: WO 98IB1203 19980722   (PCT/WO IB9801203)
  Priority Application: US 97902535 19970729
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG
  MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
  YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
  DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML
  MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 8490

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... IO as a set of records or as entrif,@s in a one or more **databases** or
   tables.

   The common file **backup** processing **program** 22 **manages** the **backup**
   processes performed on the central **computer** 10, as explained below. The
   central **computer** also has a restoration **program** or routine 28 which
   manages the process of restoring a given remote **computer** 12 following
   a hard drive or other failure or data loss.

   In preferred embodiments, each...

10/3,K/63   (Item 25 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00432412   **Image available**
SYSTEM AND METHOD FOR PROVIDING HIGHLY AVAILABLE DATA STORAGE USING

GLOBALLY ADDRESSABLE MEMORY
SYSTEME ET PROCEDE PERMETTANT D'EFFECTUER UNE MISE EN MEMOIRE DE DONNEES
    TRES ACCESSIBLES GRACE A UNE MEMOIRE UNIVERSELLEMENT ADRESSABLE
Patent Applicant/Assignee:
  MANGOSOFT CORPORATION,
Inventor(s):
  CARTER John B,
  DAVIS Scott H,
  DIETTERICH Daniel J,
  FRANK Steven J,
  PHILLIPS Robert S,
  WOODS John,
  PORTER David,
  LEE Hsin H,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9822876 A1 19980528
  Application: WO 97US21734 19971121 (PCT/WO US9721734)
  Priority Application: US 96754481 19961122; US 97827534 19970328; US
    97848967 19970502
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
  MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
  ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES
  FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
  TG
Publication Language: English
Fulltext Word Count: 24087

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... file systems generally, the file system 60 of the invention: maintains
  data coherence among network **nodes** ; automatically replicates data for
  redundancy and fault tolerance; automatically and dynamically migrates
  data to account for varying network usage and...

 10/3,K/64   (Item 26 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00405046   **Image available**
**METHOD AND APPARATUS FOR INDEPENDENT AND SIMULTANEOUS ACCESS TO A COMMON
    DATA SET**
**PROCEDE ET DISPOSITIF PERMETTANT UN ACCES INDEPENDANT ET SIMULTANE A UN
    SYSTEME INFORMATIQUE INTEGRE**
Patent Applicant/Assignee:
  EMC CORPORATION,
Inventor(s):
  OFEK Yuval,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9745790 A1 19971204
  Application: .   WO 97US9419 19970529 (PCT/WO US9709419)
  Priority Application: US 96656035 19960531; US 97842953 19970425
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
  MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW
  SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT

LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 18571
Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... as on-line transaction application or other priority
  15 processing applications and decision support system,
    backup and other **applications** that characterize **data** **base**
    management system operations.

  Background Art
    Computer implemented **data** **base** management systems are
  20 exemplary of systems that operate with what can become two
    antithetical...allow the generation of an
    address concordance for the designated data sets.

  Execution of the **application** then resumes. A resource
    manager is established to **manage** all input and output
    functions between the **storage** sub-systems and associated
  25 memory and temporary memory. The **backup** copy is formed on
    a scheduled and opportunistic basis by copying the
    designated data sets...

 10/3,K/65   **(Item 27 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00383925   **Image available**
DASD STORAGE BACK UP INCLUDING BACK UP SYNCHRONIZATION ACROSS MULTIPLE DASD
SAUVEGARDE DE MEMOIRE AVEC ACCES DIRECT Y COMPRIS LA SYNCHRONISATION DE
    SAUVEGARDE SUR PLUSIEURS DISPOSITIFS A MEMOIRE AVEC ACCES DIRECT
Patent Applicant/Assignee:
  IPL SYSTEMS INC,
Inventor(s):
  CAVALLO Joseph S,
  IPPOLITO Stephen J,
  SCHARLAND Michael J,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9724668 A1 19970710
  Application: WO 96US20853 19961227 (PCT/WO US9620853)
  Priority Application: US 95580335 19951228
Designated States: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 8028

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... 1 0 in which the invention may be realized.

  Computer system 1 00 includes host **CPU** 1 0, a DASD 15, and a **back - up**
    device 20. A bus 25, such as a SCSI bus, interconnects the above, all
  on the...

...bus channel. The system may also include any number of other
arrangements of DASDs and **back - up device** pairs, e.g., 30 and 35,
connected on their respective buses. 1 5 A control...

...as initiating the back-up or restore processes, discussed below. In a
preferred embodiment, the **control device** 40 includes a personal
computer with special **management software** , described below. **Control
device** 40 communicates with DASID 15 via **control** bus 45, such as an
RS 232 serial bus. If other pairs 30 and 35...

...device 40 likewise communicates with the DASDs, for example, via
buses 46
Before beginning a **back - up** process, all the participating **back - up
devices** 20 are loaded with an appropriate **back - up** media, and
control **device** 40 loads all of the participating DASDs with
user-supplied label data and DASD configuration...

...level, of granularity. In addition, not all logical disks need be
5
included in the **back - up** set. This process is sometimes referred to as
"arming" the **devices** and may be performed shortly before or
considerably before the actual **back - up** occurs.

After the **devices** are armed, the control **device** 40 may issue a "begin
backup command" to the various DASDs, e.g., 15, via...be performed by a
system administrator, but a preferred embodiment determines the restore
set through **software** logic that may reside in a **control device** or
in the **CPU** . By implementing it as **software** logic, rather than
requiring human intervention, the restore is automated.

Among other things, this is...

10/3,K/66   (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00383924   **Image available**
DASD STORAGE BACK-UP USING OUT-OF-SEQUENCE WRITES
SAUVEGARDE DE MEMOIRE DASD PAR ECRITURES DECLASSEES
Patent Applicant/Assignee:
  IPL SYSTEMS INC,
Inventor(s):
  CAVALLO Joseph S,
  IPPOLITO Stephen J,
  SCHARLAND Michael J,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9724667 A1 19970710
  Application: WO 96US19927 19961227 (PCT/WO US9619927)
  Priority Application: US 95579810 19951228
Designated States: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 8032

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description
Detailed Description
... as initiating the back-up or restore processes, discussed below. In a
  preferred embodiment, the **control device** 40 includes a personal   .

computer with special **management** **software** , described below. **Control**
   device 40 communicates with DASID 15 via **control** bus 45, such as an
RS 232 serial bus. If other pairs 30 and 35...

...device 40 likewise communicates with the DASDs, for example, via
   buses 46
   Before beginning a **back - up** process, all the participating **back - up**
    devices 20 are loaded with an appropriate **back - up** media, and
   control **device** 40 loads all of the participating DASDs with
   user-supplied label data and DASD configuration...

...file-level, of granularity. In addition, not all logical disks need be
   included in the **back - up** set. This process is sometimes referred to as
   "arming" the **devices** and may be performed shortly before or
   considerably before the actual **back - up**
   5
   occurs.

After the **devices** are armed, the control **device** 40 may issue a "begin
   backup command" to the various DASDs, e.g., 15, via...be performed by a
   system administrator, but a preferred embodiment determines the restore
   set through **software** logic that may reside in a **control** **device** or
   in the **CPU** . By implementing it as **software** logic, rather than
   requiring human intervention, the restore is automated.

Among other things, this is...

 10/3,K/67 (**Item 29 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00295431 **Image available**
DATA BACKUP AND RESTORE SYSTEM FOR A COMPUTER NETWORK
SYSTEME DE SAUVEGARDE ET DE RESTAURATION DE DONNEES POUR RESEAU
   INFORMATIQUE
Patent Applicant/Assignee:
   ARCADA SOFTWARE,
Inventor(s):
   FLETCHER Douglas J,
   DEVOS Steven Robert,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 9513580 A1 19950518
   Application: WO 94US12915 19941109 (PCT/WO US9412915)
   Priority Application: US 93488 19931109
Designated States: CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 13108

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
   Detailed Description
English Abstract
   A computer network having a number of workstations running disparate
   operating systems and a file **server** having a tape driver for **backup**
   and restore of data on the network. The filter **server** runs a generic
   remote file system (GRFS) and workstations run GRFS agent programs which
   allow the GRFS file system to access data within a **workstation** having a
   given GRFS **agent** **program** . The GRFS file system interfaces with each
   GRFS **agent** **program** via a command/response paradigm, with the messages

being structured to support the disparate operating...

Detailed Description
... computer 12, that computer 12 should
  is advertise its capability for this purpose. Not every
   computer 12 in the network 10 is necessarily running a
  GRFS **agent** **program** so as to be able to have its data
  backed up. Consequently, the GRFS agent...

 10/3,K/68   (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00283452   **Image available**
SYSTEM AND METHOD FOR DISTRIBUTED STORAGE MANAGEMENT ON NETWORKED COMPUTER
     SYSTEMS
SYSTEME ET PROCEDE DE GESTION DE MEMOIRE REPARTIE SUR DES SYSTEMES
     INFORMATIQUES EN RESEAU
Patent Applicant/Assignee:
  LEGENT CORPORATION,
Inventor(s):
  WOODHILL James R,
  WOODHILL Louis R,
  MORE William Russell Jr,
  BERLIN Jay Harris,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9501599 A1 19950112
  Application: WO 94US7561 19940701   (PCT/WO US9407561)
  Priority Application: US 9385596 19930701
Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 14661

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... the present invention may be employed;
  FIG. 2 illustrates the manner in which the
  Distributed **Storage Manager program** of the present
  invention allocates the **storage** space on each of the
  storage devices illustrated in FIG. 1;
  FIG. 3 illustrates the File **Database** utilized by
  30 the Distributed **Storage** Manager **program** of the present
  invention;
  FIG. 4 illustrates the **Backup** Queue **Database**
  utilized by the Distributed **Storage Manager program** of
  the present invention; and
  FIGS. 5a - 51 illustrate flow charts explaining
  the operation of the Distributed **Storage Manager**
  program of the present invention.

  DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT
  FIG. 1 illustrates a simplified...
...hereinbelow); (5) local computer data files 28;
  (6) free disk space 30 and (7) compressed **storage** files
  32 (created by the Distributed **Storage Manager program**
  24 of the present invention as is explained more fully

hereinbelow).

The Distributed Storage Manager...Backup Instance Record 42 is one or more Binary Object Identification Records 58.

The Distributed **Storage Manager program** 24 views a file as a collection of data streams. A data stream is defined...

...extended attribute data without modifying any of the normal data or vice versa. The Distributed **Storage Manager program** 24 further divides each data stream into one or more binary objects. If the size...

...If the data stream is larger than the maximum binary object size, then the Distributed **Storage Manager program** 24 divides the data stream into multiple binary objects, all but the last of which...binary object to be backed up and is discussed in more detail below.

The Distributed **Storage Manager program** 24 also builds and maintains the **Backup** Queue **Database** 26 on one of the disk drives 19 on each local computer 20 in the networked computer system 10 according to the structure illustrated in FIG. 4. Each entry (**Backup** Queue Record 75) in the **Backup** Queue **Database** 26 is comprised of the following components: (1) Record Type 76 (identifies the file as...

...to be Backed Up In the flow chart of FIG. 5a, execution of the Distributed **Storage Manager program** 24 begins at step 100 where the **Backup** Queue **Database** 26 is built by creating a **Backup** Queue Record 75 for each File Identification Record 34 found in File Database 25. In...no Backup Queue Record 75 is created for that File Identification Record 34. if the **backup** that is currently being processed for the local **computer** 20 is not a full **backup** (i.e., all files on all disk drives 19 on the local **computer** 20), then the Distributed **Storage Manager program** 24 will only create **Backup** Queue Records 75 for those files that match the backup specifications. For example, if only...

...then only File Identification Records 34 that correspond to 11.EXE11 files will be processed.

Program control then continues with step 102 where the Distributed **Storage Manager program** 24 of the present invention scans all disk drives 19 on the local computer 20...

...operation consists of scanning the directory hierarchy on each disk drive 19 on the local **computer** 20 and returning to the Distributed **Storage Manager program** 24 certain file block information for each of the directory files and regular files that...

...operation is to back up all files on all disk drives 19 on the local **computer** 20. **Program   control** then continues with step 103 where the Distributed **Storage   Manager   program** 24 determines whether the file block information for an additional file has been located on...

...located, program control continues with step 104. If an additional file has not been located, **program   control** continues with step 116.

In step 104, the Distributed **Storage** Manager program 24 determines whether a **Backup** Queue Record 75 exists for the located file by comparing the file's file block information to the information stored in **Backup** Queue **Database** 26. If such a **Backup** Queue Record 75 does not exist (i.e., this is the first time this file...skill in the art. The use of the File Priority field 92 by the Distributed **Storage   Manager   program** 24 is discussed in more detail hereinbelow. **Program   control** is then returned to step 102.

If the Distributed **Storage** Manager program 24 determines, in step 104, that a **Backup** Queue Record 75 exists in the **Backup** Queue **Database** 26 for the located file, **program   control** continues with step 110 where it 5 is determined whether any change has been made...

...110 that no change has been made to the file, then, in step 114, the **Backup** Queue Record 75 is deleted from the **Backup** Queue **Database** 26 since the file does not need to be backed up. Following step 114, **program   control** is returned to step 102.

If the Distributed **Storage   Manager   program** 24 determines, in step 103, that an additional file has not been located, **program   control** continues with step 116. In step 116, the Distributed **Storage   Manager   program** 24 reads each **Backup** Queue Record 75 in **Backup** Queue **Database** 26, one at a time. The **Backup** Queue Records 75 in **Backup** Queue **Database** 26 represent all of the files that must be backed up by the Distributed **Storage   Manager   program** 24 during the present **backup** cycle. **Program   control** continues with step 117 where the Distributed **Storage   Manager   program** 24 determines whether a next **Backup** Queue Record 75 has been located 35 in **Backup** Queue **Database** 26. If a next **Backup** Queue Record 75 has been located, program control continues with step 118; otherwise, program control...

PROCEDE ET DISPOSITIF DE MÉMORISATION PAR COPIE DE DONNEES EN TEMPS ZERO
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Inventor(s):
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Patent and Priority Information (Country, Number, Date):
  Patent: WO 9308529 A1 19930429
  Application: WO 92EP2127 19920916 (PCT/WO EP9202127)
  Priority Application: US 9144 19911018
Designated States: CS DE HU PL RU UA AT BE CH DE DK ES FR GB GR IE IT LU MC
  NL SE
Publication Language: English
Fulltext Word Count: 5107

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... up can be high on a large multiprocessing,
  multiprogramming facility relative to other processing.

  The **Backup** Window and Effect Upon Batch and
  Transactional Processing
  When a **CPU** backs up data in a streamed or batch mode
  system, every process,, task,, or application...

Claim
... the update affects that portion
  of the dataset extent already copied.
  4* A method for **managing   backup** copying of datasets
  concurrent with **application** execution on a **CPU**
  communicatively coupling an external subsystem of
  tracked cyclic storage devices over at least one
  defined access path, comprising the steps of:
  - 23
  (a) suspending application execution at said **CPU**
  and designating at least one dataset for
   backup copying and requesting a copy of said
  designated datasets from the storage
  subsystem;
  (b) forming dataset and device track concordances
  at the **storage** subsystem and signalling the
   CPU of the logical completion of **backup**
  copying;
  (c) resuming application execution at said **CPU**
  responsive to said logical completion signal;
  (d) copying designated datasets from the storage
  subsystem to...

 10/3,K/70   (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00170162   **Image available**
COMPUTER MEMORY BACKUP SYSTEM
SYSTEME DE SAUVEGARDE POUR MEMOIRE D'ORDINATEUR

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  STEWART Neal George,
  DALL Gordon,
Inventor(s):
  RIDDOCH Henry Jamieson,
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Patent and Priority Information (Country, Number, Date):
  Patent: WO 9003611 A1 19900405
  Application: WO 89GB1117 19890922 (PCT/WO GB8901117)
  Priority Application: GB 8822373 19880923; US 89341 19890314
Designated States: AT BE CH DE FR GB IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 12007

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... 160 which correlates to any of the
  selected default addresses which are specified by the
    computer manufacturer, In addition, the user specifies
  this address to the **backup** system software, Thus, when
  the software is interested in accessing the **computer**
  memory **backup** system, it will access the programmed
  ]address thereby outputting a signal on line 180 and...analog/digital
  converter means used in the preferred
  embodiment of the system to monitor the **terminal** voltage
  of the **backup** battery 50,
  FIGURE 9 shows an analog/digital converter
  means 250 in the form of...lines AR3 and AW3 are input
  via NOR gate 280 to the conversion select (CS) **control**
  input of the A/D converter 250,
  In operation, the **software** initiates conversion
  of the analog battery 50 positive **terminal** voltage
  signal to an 8-bit digital format, This digital signal
  is output on data...

 10/3,K/71   (Item 33 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00128517
DATABASE BACKUP METHOD
PROCEDE DE SAUVEGARDE DE BASE DE DONNEES
Patent Applicant/Assignee:
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Inventor(s):
  NG Fred Kwok-Fai,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 8601018 A1 19860213
  Application: WO 85US1279 19850703 (PCT/WO US8501279)
  Priority Application: US 84460 19840726
Designated States: AT BE CH DE FR GB IT JP KR LU NL SE
Publication Language: English
Fulltext Word Count: 3596

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... be performed. In accordance
  with the invention, modifications are allowed to occur in
  the SM **databases** 118 while **backup** is being performed during
  all passes except the last pass. The result is that during...

 10/3,K/72   (Item 34 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00124672
COMPUTER CONTROLLED SYSTEMS
SYSTEMES COMMANDES PAR ORDINATEUR
Patent Applicant/Assignee:
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Inventor(s):
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Patent and Priority Information (Country, Number, Date):
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  Application: WO 84GB445 19841220 (PCT/WO GB8400445)
  Priority Application: GB 8333984 19831221
Designated States: AT AU BE BR CH DE FI FR GB JP KR LU NL NO SE SU US
Publication Language: English
Fulltext Word Count: 3533

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... the
  data and redundancy bits for each memory word,
  assuming the actual values of the **control** bits held
  in the 10 ROM. When loading the **software** on such a
  diskette by means of a suitable IO **Device** (IODEV),
  then the CPU will transfer the information from the
  diskette to consecutive words of...

 10/3,K/73   (Item 35 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00119160   **Image available**
MEMORY BACKUP SYSTEM
SYSTEME DE SAUVEGARDE DE MEMOIRE
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Inventor(s):
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  BUDWEY Michael J,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 8402409 A1 19840621
  Application: WO 83US1970 19831209 (PCT/WO US8301970)

  Detailed Description
Detailed Description
... processing element in a well-defined
  priority scheme. The exact mechanism of the transfer of
   control among processors is disclosed in detail in a
  copending patent **application** entitled "Modular **Computer**
  System" by Jack J. Stiffler et al. and filed in the United
  States Patent and...